1964-15

1963 Combined Index to ASCE Periodical Publications

Journals (Proceedings)
Transactions
Civil Engineering

March 1964/$2.00

INDEX TO 1963 ASCE PERIODICAL PUBLICATIONS

CONTENTS

COMBINED INDEX
Foreword 5
Subject Index 7
Name Index 67

FOREWORD

Combined Index—1963

The 1963 Index which provides a guide to material published by ASCE during 1963, is the first index published by the Society to combine all material appearing in Journals (Proceedings Vol. 89), Transactions (Vol. 128), and CIVIL ENGINEERING (Vol. 33). This is a departure in format from previous cumulative indexes which listed the indexes by publications.

The user will find all articles and papers dealing with specific subject areas listed under the pertinent subject heading. This will be of distinct value to the user.

The name index contains entries indexed under the names of authors, co-authors, discussers, and chairmen of the committees preparing reports. Also included in the name index are citations to the abstracts of memoirs of deceased members, as published in Transactions; the authors of the memoirs are not indexed but their names appear with the individual memoir abstract.

In the name index the entry for a paper (under the first named if more than one author) is supplemented by information concerning the discussion and closure, if applicable. Only discussion of CIVIL ENGINEERING items are noted in the subject index. To find what discussion there has been from Proceedings items located in the subject index, the reader would thus look under the entry for the first named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced in this fashion until the closing discussion is located.

Typical abbreviations used herein are:

Dsc for discussion,
Clo for closing discussion,
Corr for corrections, and
Chmn for Chairman of a committee submitting a report.

Division Abbreviation: Aero-Space Transport (AT), City Planning (CP), Construction (CO), Engineering Mechanics (EM), Highway (HW), Hydraulics (HY), Irrigation and Drainage (IR), Pipeline (PL), Power (PO), Sanitary Engineering (SA), Soil Mechanics and Foundations (SM), Structural (ST), Surveying and Mapping (SU), and Waterways and Harbors (WW). Papers sponsored by the Department of Conditions of Practice are identified by the symbols (PP).

All papers and articles have been listed in the subject index under one or more appropriate subject headings suggested by the content and application of the paper.

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as

HYl:Jan 63:25:3385

which would indicate a paper published in the Journal of the Hydraulics Division, January 1963, on page 25, as Proceedings Paper 3385.

Papers appearing in Transactions are indicated by

TR:128I:1319:3488

which notes that the paper is from Transactions, Vol. 128, part I, page 1319, Transactions Paper 3488.

For a memoir abstract

TR:128V:113

refers to Transactions, Vol. 128, part V, page 113.

Articles and news items published in CIVIL ENGINEERING are represented as

CE:Jun 63:77

which states that the article appeared in CIVIL ENGINEERING, in the June, 1963, issue, on page 77.

In addition to articles the following Departments of Civil Engineering are indexed: ASCE News, Engineers Notebook, News Briefs, and the Readers Write.

1963 COMBINED SUBJECT INDEX

AERATION

Mathematics of Complete-Mixing Activated Sludge, Ross E. McKinney (with discussion), TR:128III:497:3516

Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491

AERODYNAMICS

Pan American Passenger Terminal at Idlewild Airport, Walther Prokosch, AT1:Apr 63:67:3495

AERO-SPACE TRANSPORT

Airline Baggage Handling Systems, Robert E. Worcester, AT2:Oct 63:21:3676

Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674

Baggage Handling: Passenger and Baggage Processing at Air Terminals, Bruno H. Hake, AT2:Oct 63:29:3677

Effect of Gradient on Jet Transport Runway Lengths, Gale Ahlborn and Robert Horonjeff, AT1:Apr 63:39:3490

Fueling System for Dulles International Airport, R. Dan Mahaney and D.M. Hosler, AT1: Apr 63:51:3494

Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487

Houston's Jetero Airport: Location and Configuration, Frank H. Newnam, Jr., AT1:Apr 63:9:3475

Pan American Passenger Terminal at Idlewild Airport, Walther Prokosch, AT1:Apr 63:67:3495

Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425

Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424

Reinforced Concrete Pavements for Airports, August W. Compton (with discussion), TR:128IV: 27:3400

Runways and Taxiways for Supersonic Transports, Robert Horonjeff, TR:128IV:258:3478

Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473

AGGREGATE

Maximum Size of Aggregate Affects Strength of Concrete, E.C. Higginson, G.B. Wallace, and E.L. Ore, CE:Nov 63:38

AGRICULTURE

Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495

Depth and Spacing of Tile Drain Systems, H.Y. Hammad (with discussion), TR:128III:535: 3517

Tolerance of Plants to Salinity, Leon Bernstein (with discussion), TR:128III:561:3518

AIRCRAFT

Effect of Gradient on Jet Transport Runway Lengths, Gale Ahlborn and Robert Horonjeff, AT1:Apr 63:39:3490

Fueling System for Dulles International Airport, R. Dan Mahaney and D.M. Hosler, AT1: Apr 63:51:3494

Photogrammetric Determination of Azimuth, Michael S. Tavenner and Paul B. Swenson, SU3: Oct 63:7:3664

Runways and Taxiways for Supersonic Transports, Robert Horonjeff, TR:128IV:258:3478

AIR POLLUTION

National Conference on Air Pollution held in Washington, D.C., CE:Jan 63:64

Short-Term Air-Pollution Studies in Five Cities, Frank A. Bell, Jr., CE:Feb 63:48

AIRPORTS

Aero-Space Transport Div. Committee on Landing Area Facilities meets, CE:May 63:62

Aero-Space Transport Div. Conf. set for San Francisco in April 1964, CE:Dec 63:78

Aero-Space Transport Div. Executive Committee meets, CE:Mar 63:75

Airline Baggage Handling Systems, Robert E. Worcester, AT2:Oct 63:21:3676

Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674

Baggage Handling: Passenger and Baggage Processing at Air Terminals, Bruno H. Hake, AT2:Oct 63:29:3677

Effect of Gradient on Jet Transport Runway Lengths, Gale Ahlborn and Robert Horonjeff, AT1:Apr 63:39:3490

Fueling System for Dulles International Airport, R. Dan Mahaney and D.M. Hosler, AT1: Apr 63:51:3494

Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487

Houston's Jetero Airport: Location and Configuration, Frank J. Newnam, Jr., AT1:Apr 63:9:3475

New Jersey--Newark Airport starts expansion program, CE:Oct 63:88

Pan American Passenger Terminal at Idlewild Airport, Walther Prokosch, AT1:Apr 63:67:3495

Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425

Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424

Reinforced Concrete Pavements for Airports, August W. Compton (with discussion), TR:128IV: 27:3400

Runways and Taxiways for Supersonic Transports, Robert Horonjeff, TR:128IV:258:3478

Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473

ALASKA
Cadastral Surveying in Alaska, Franklin K. Van Zandt, SU2:Jun 63:55:3553

ALGAE
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395

ALLOYS
Economy of High Strength Steel Structural Members, Geerhard Haaijer (with discussion), TR:128II:820:3509

ALUMINUM
Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446
Fire Protection for Aluminum Alloy Structural Shapes, J.G. Kaufman and R.C. Kasser, CE:Mar 63:46
Galvanic Corrosion In Concrete Containing Calcium Chloride, T.E. Wright and I.H. Jenks, ST5:Oct 63:117:3669
Germany--Aluminum Pavilion at Hanover Fair wins international award, CE:Jun 63:81
Metal-and-Paint Coatings for Long-Term Corrosion Resistance, A.P. Shepard, CE:Oct 63:50
Pennsylvania--Westinghouse Telecomputer Center near Pittsburgh will make major use of aluminum, CE:Mar 63:91
Dsc: R.W. Meier, CE:Jun 63:69
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop; Francis H. Ree, Taikyue Ree and Henry Eyring; B.L. Averbach (with discussion), TR:128I:1319:3488
Washington--Aluminum in Rocky Reach Dam, Robert M. Peters, CE:Jul 63:32
Dsc: J.H. Fetty, CE:Oct 63:61
Rep. by Author: CE:Oct 63:61
Yielding at Varying Load Rates, A.M. DiGioia, Jr., and R.G. Crum, TR:128I:1119:3470

ANALOGS
Analog Models for Flood Control Systems, J. A. Harder, TR:128I:993:3458
Arch Dam Analysis with an Electric Analog Computer, Richard H. MacNeal (with discussion), TR:128I:168:3403
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3: May 63:63:3509
Moment-Distribution Constants from Cardboard Analogs, Otakar Ondra (with discussion), TR:128II:37:3398
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413
Transient Response of Nonlinear Systems, P.F. Cuniff, EM2:Apr 63:19:3474

ANTENNAS
Dynamics of a Large Steerable Radio Telescope Antenna, William Weaver, Jr., and Thomas R. Kane, ST4:Aug 63:55:3583

AQUEDUCTS
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR:128III:162:3430
California--automation studied for aqueducts, CE:Mar 63:89
California--work on California aqueducts under way, CE:Sep 63:82

ARBITRATION
Civil engineers named to national panel of American Arbitration Association, CE:Jun 63:82

ARCH
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576

ARCHES
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Buckling of Circular Arches Under Nonuniform Pressure, G. Wempner and T. Ewbank, EM4: Aug 63:17:3597
Deflection Theory of Arches, S.O. Asplund (with discussion), TR:128II:307:3439
Dynamic Nonlinear Response of Reinforced Concrete Arches, Vijay N. Gupchup and John M. Biggs, ST4:Aug 63:225:3596
Kariba Left Bank Cofferdam, Jean J. Martin, CO1:Mar 63:33:3454
Two-Hinged Arches, Digital Computer Analysis and Design, Ira Hooper and P.C. Wang, CE:Dec 63:67

ARCHITECTURE
Egypt--U.S. supports plan to preserve Abu Simbel, CE:Aug 63:86

ARCTIC ENGINEERING
Adverse Weather--Its Effect on Engineering Design and Construction, dry cold conditions, Palmer W. Roberts, CE:May 63:50
ASCE to participate in Permafrost Conference, CE:Jun 63:75

AMERICAN SOCIETY OF CIVIL ENGINEERS

(ASCE) Addresses
An Impression of the Technical Division Activity in ASCE, Annual Address at the Conference, Milwaukee, Wisconsin, May 15, 1963, Edmund Friedman, TR:128V:101:3522

(ASCE) Aims and Activities
International Relationships in Engineering, William H. Wisely, CE:Jun 63:31
Dsc: C.H.D. Harper, CE:Sep 63:63; Ramiro Parada, Oct 63:60; R.E. Coughlin, Nov 63:73
Report of ASCE Task Committee on Society Objectives, CE:Jun 63:62; CE:Jun 63:72
Dsc: R. Schmidt, CE:Oct 63:61; P. Geertson, Sep 63:64

(ASCE) Associate Member Forum
Metropolitan Section's educational activities, CE:Jun 63:77

(ASCE) Awards and Prizes
Announced by Board, CE:Jun 63:73
Daniel W. Mead Competition for 1964 open, CE:Oct 63:73
Daniel W. Mead Prize Essays due in June, CE:Apr 63:68
Daniel Mead prizes for 1962 to be presented at Atlanta, CE:Jan 63:61
John Fritz Medal goes to Lucius Clay, Hon. M., CE:Aug 63:74; Presented at San Francisco Conference, CE:Oct 63:69
Professional Recognition Award to Donald Mattern, CE:Apr 63:66
Research prizes to be presented at Atlanta, CE:Feb 63:40
Society awards and fellowships available, CE:Jan 63:65
See also, Bridges, Construction Industry, Outstanding Civil Engineering Achievement, Welding

(ASCE) Badges
The Wearing of the Badge, William H. Wisely, CE:Oct 63:31
Dsc, Jack Sylvester, CE:Dec 63:68

(ASCE) Ballots
Nominating Ballot for 1964 officers canvassed, CE:Aug 63:76; Final Ballot, Oct 63:74

(ASCE) Board of Direction
Actions in Atlanta briefed, Feb. 25-26, CE:Apr 63:64
Actions in Milwaukee briefed, CE:Jun 63:70
Actions in San Francisco briefed, CE:Nov 63:74
Acts in two professional conduct cases, CE:Apr 63:68
Issues statement on environmental design, CE:Nov 63:49

(ASCE) Conferences
Atlanta Environmental Engineering Conference, Feb. 25-28: Program, CE:Jan 63:55; Feb 63:42; Apr 63:40
Cincinnati Transportation Engineering Conference, Feb. 16-21, 1964, CE:Dec 63:42; Program, Dec 63:69
Milwaukee Water Resources Conference, May 13-17: Program, CE:Feb 63:60; program, Mar 63:61; Mar 63:73; Apr 63:62; Jun 63:42
San Francisco--Annual Meeting and Structural Engineering Conf., Oct. 7-11, 1963: CE:Jan 63:62; May 63:44; Jul 63:43; Aug 63:44; Program, Aug 63:64; Oct 63:62-72; Nov 63:42; Dec 63:77

(ASCE) Education
Committee on Engineering Education Sponsors Regional conference, CE:Jun 63:74

(ASCE) Ethics
An ethical violation results in expulsion, CE:Nov 63:76
Board acts in two professional conduct cases, CE:Apr 63:68
Board acts in professional conduct case, CE:Jul 63:64
Code enforced in recent cases, CE:May 63:43
The Great Brinkley "Expose," William H. Wisely, CE:Dec 62:31
Dsc: Rex M. Whitton, J.W. Arch. Bollong, Walter S. Lacher, G.H. Willson, CE:Feb 63:57

(ASCE) Executive Secretary
For articles and editorials by, see Name Index, William H. Wisely

(ASCE) Fellowships and Scholarships
Freeman Fellowship won by Roger J.M. De Wiest, CE:Aug 63:44
O.H. Ammann Research Fellowship established, CE:May 63:45
Society awards and fellowships available, CE:Jan 63:65
Thanks for an ASCE Student Chapter scholarship, dsc, Roy G. Elmhorst, CE:Aug 63:63

(ASCE) Honorary Members
ASCE elects four new Honorary Members, CE:Jun 63:71; biographies, CE:Oct 63:66

(ASCE) Information Retrieval
Initiate information retrieval program, CE:Jan 63:28
Sanitary Eng. Div.'s Committee on Instrumentation and Data Processing holds first meeting, CE:Jan 63:27

(ASCE) Insurance
Dependent coverage added to Life Insurance Plan, CE:Sep 63:42
Dividend credits for life insurance plan, CE:May 63:45

(ASCE) Local Sections
Maine Section publicizes the profession, CE:Jan 63:27
Metropolitan Section-sponsored seminar, "Who Pays for the Unexpected in Construction?", photo of panel, CE:Jul 63:44
New England Council meets April 27, CE:Apr 63:70
New York State Council formed, CE:Oct 63:76
Pacific Northwest Council held in Boise, Idaho, CE:Aug 63:76
Pacific Southwest Conference set for Sacramento, CE:Jan 63:61
Texas Section celebrates its 50th anniversary, CE:Dec 63:41

(ASCE) Membership
Certificate given to 50,000th member, CE:Jul 63:45
Professional Identification in ASCE, W.H. Wisely, CE:Apr 63:31
Dsc: C.L. Bogert, CE:Jun 63:68; S.G. Petersen, Jul 63:62; P.H. Perkins, Nov 63:73
Reply, W.H. Wisely, Nov 63:73

(ASCE) Memoirs of Members
See name of member in Author Index

ASCE (Officers)
Eight officers installed at San Francisco Conference, CE:Oct 63:62

(ASCE) Outstanding Civil Engineering Achievement Awards
Ohio River Basin Clean Streams Program wins 1963 award, others get honorable mention CE:Mar 63:42; Jul 63:63
Seven projects nominated for 1963, CE:Jan 63:30

(ASCE) Overseas Units
West Pakistan Overseas Unit completes first year, CE:May 63:63

(ASCE) Policy
The ASCE Philosophy of Engineering Unity, CE:Jul 63:31
Principles of a sound transportation policy adopted by ASCE Board, CE:Jul 63:52

(ASCE) Practice of Engineering
ASCE Defends title of "Hydraulic Engineer", CE:Oct 63:74

(ASCE) Presidents
Participation in 1963 Freedom Bond Drive urged by Edmund Friedman, CE:Mar 63:74
Past President J.C. Stevens honored, CE:Sep 63:42
President's inaugural address: Competence Is What Counts Most, Waldo G. Bowman, CE:Nov 63:35
A Review of the Technical Divisions of ASCE, President's Annual Address, CE:Jun 63:52
Waldo Bowman nominated, CE:Jun 63:48

(ASCE) Professional Practice
Negotiating for Engineering Services--the Consulting Engineer's Viewpoint, N.P. Turner, Jr., CE:Mar 63:52
Professional Practice of Surveying and Mapping Within Civil Engineering, report of ASCE Task Sub-committee, CE:Nov 63:56

(ASCE) Public Affairs Forum
The Hour of Destiny for Engineering, N.D. Lea, CE:Nov 63:70

(ASCE) Publications
Civil Engineering Reader Survey results, CE:Apr 63:68
Dsc on ASCE publications for emerging countries, Walter D. Seigfried, CE:Aug 63:62; James S. Blackman, Aug 63:62; where to send back copies, Aug 63:62
Dsc, CIVIL ENGINEERING Reader Survey questionnaire prompts careful reading, C.W. Ellis, CE:Jul 63:62
Dsc, "Opposition to new plan of digests for Transactions," A. Hrennikoff, CE:Sep 63:63
Dsc praising CIVIL ENGINEERING's Award of Merit, publication of abstracts, and other features, R.R. Schindler, CE:Feb 63:58
Manual 42 supplement available, CE:Jul 63:45
Manual, Report on Highway and Bridge Surveys, No. 44, available, CE:Mar 63:73
Report of ASCE Research Conference in Skokie, Ill., available, CE:Mar 63:75
Technical Division Newsletter editors in seminar, CE:Jun 63:75

(ASCE) Public Relations
Five Civil Engineering Wonders featured in national magazines, CE:Jan 63:63
The Great Brinkley "Expose," William H. Wisely, CE:Dec 62:31
Dsc: Rex M. Whitton, J.W. Arch. Bollong, Walter S. Lacher, G.H. Willson, CE:Feb 63:57
Maine Section publicizes the profession, CE:Jan 63:27
The Public Image of the Civil Engineer, William H. Wisely, CE:Feb 63:31
Dsc: A.W. Daniels, CE:Apr 63:61
TV program to feature science and engineering, CE:Jan 63:27

(ASCE) Research
Committee on, meets in United Engineering Center, CE:Feb 63:61
Hydraulics Div. Committee recommends research in urban hydrology, CE:Aug 63:74
John Endicott is new ASCE Research Fellow, CE:Sep 63:63
Prizes to be presented at Atlanta, CE:Feb 63:40
Report of ASCE Research Conference in Skokie, Ill., available, CE:Mar 63:75
Water Quality Research Council plans conference, CE:Jun 63:74

(ASCE) Scholarships
See ASCE (Student Chapters)

(ASCE) Staff
C.E. Lent, Jr. joins staff, CE:Jan 63:60
Don Reynolds injured in bus plunge, CE:May 63:43
Harold Larsen retires from headquarters staff, CE:Jun 63:72
H.R. Hands, new ASCE Manager of Information, CE:Oct 63:76
J.H. Fisk resigns from staff, CE:Jan 63:65
Paul A. Parisi, new Manager of Technical Publications, CE:Jul 63:65
R.K. Holmstrom, ASCE representative dies, CE:Jul 63:45
W.D. French joins staff of Technical Publications, CE:Jul 63:45

(ASCE) Student Chapters
C.M. Howard honored by Student Chapter, CE:Sep 63:69
Dsc, thanks for a Student scholarship, Roy G. Elmhorst, CE:Aug 63:63
Outstanding Chapters commended by ASCE, CE:Sep 63:69
St. Louis University Chapter installed, CE:Dec 63:78
Scholarships awarded, CE:Jan 63:62; Sep 63:68

(ASCE) Technical Divisions
Aero-Space Transport Div. Committee on Landing Area Facilities meet, CE:May 63:62
Aero-Space Transport Div. Executive Committee meets, CE:Mar 63:75
Aero-Space Transport Div. Conf. set for San Francisco in April 1964, CE:Dec 63:78
City Planning Div. meets in St. Louis, CE:Dec 63:76
Engineering Mechanics Conf. in Urbana, Ill., April 22-23, 1963 Program, CE:Mar 63:43
Hydraulics Div. Conf., Aug. 6-9, 1963, Program, CE:Jul 63:46; Oct 63:73
Hydraulics Div. Task Force on Vibrations in Hydraulic Structures meets, CE:Jul 63:45
Irrigation and Drainage Div. Specialty Conf. in Los Angeles, Nov. 6-8; Program, CE:Sep 63:66; Dec 63:40
Pipeline Division Task Force issues report on pipeline practice questionnaire, Jack W. Pierce, Chairman, CE:Aug 63:34
A Review of the Technical Divisions of ASCE, President's Annual Address, Edmund Friedman, CE:Jun 63:52
Sanitary Engineering Div. Committee on Instrumentation and Data Processing meets, CE:Jan 63:27
Structural Div. Conf. on Electronic Computation, June 19-21, 1963, CE:Jan 63:65; Program, May 63:61; Aug 63:75
Structural Div. forms Committee on Plastics, CE:Aug 63:75
Waterways and Harbors Div. Committee on Regulation and Stabilization of Rivers meets, CE:Nov 63:49
Waterways and Harbors Div. Task Committee on Channel Stabilization Works meets, CE:Sep 63:68

(ASCE) Unity of the Profession
The ASCE Philosophy of Engineering Unity, statement adopted by Board of Direction, May 13-14, 1963, CE:Jul 63:31
Progress towards professional unity—by Board for Engineering Cooperation, CE:Mar 63:72

(ASCE) What's Where in Civil Engineering
Kentucky and Tennessee, CE:Aug 63:42
Philadelphia, Pittsburgh, and St. Louis Sections, CE:Mar 63:44; Wisconsin and Michigan Sections, CE:Apr 63:63

ASPHALT
Asphalt Institute's revised manual on pavement design ready, CE:Oct 63:88
New Hampshire--Flexible Pavement for Interstate Route, Daniel S. Bailey, Jr., CE:Jan 63:44

ATOMIC BLAST
Elastic Rayleigh Wave Motions Due to Nuclear Blasts, Melvin L. Baron and Ronald Check, EM1:Feb 63:57:3432
Titan ICBM Hardened Facilities, Marvin J. Kudroff (with discussion), TR:128II:516:3467

ATOMIC ENERGY
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497
"Civil Engineering Bibliography on the Design and Construction of Nuclear Facilities" available, CE:Mar 63:75
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Metal Work Design of High Intensity Radiation Cells, John M. Ruddy, TR:128II:568:3473
New York--nuclear power plant to be built in N.Y. City area, CE:Feb 63:74
Non-Destructive Testing in Civil Engineering, C.W. Britzius, CE:Jan 63:21
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213:3412
Tennessee--Nuclear Information Center planned for Oak Ridge site, CE:Jul 63:77

ATOMIC ENERGY, Power Plants
Nuclear power plants, economies in design and construction--report of Committee for Construction of Nuclear Facilities of ASCE's Construction Division, CE:May 63:56
New York--Indian Point reactor in full operation, CE:Mar 63:91

ATOMIC ENERGY
See also Civil Defense, Shelters

AUSTRALIA
Short Cuts in Hydrology, Arthur I. McCutchan, HY3:May 63:203:3522

AUTOMOBILES
Auto Trips to the Central Business District, John A. Dearinger, TR:128IV:278:3482
Correlation of Future Vehicle and Highway Design, Kenneth A. Stonex, TR:128IV:302:3483
New Concepts for Urban Freeway Interchanges, Donald W. Loutzenheiser (with discussion), TR:128IV:332:3492
Traffic Behavior and Freeway Ramp Design, Charles Pinnell and Charles J. Keese (with discussion), TR:128IV:1:3396

AWARDS AND PRIZES
Civil Engineer wins New York Port Authority Award, CE:Aug 63:87
Fairless Medal goes to ex-president Eisenhower, CE:Aug 63:84
National Medal of Science, first award to Theodore von Karman, CE:Feb 63:41; receives award, CE:Apr 63:66
Dsc: R. Schmidt, CE:Jun 63:68
Washington award to Philip Sporn, CE:Mar 63:75
See also ASCE (Awards and Prizes), ASCE (Research), Construction Industry (Moles)

BACKWASH
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384

BACKWATER
Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689

BEACHES
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Hawaii--New Land Worth $23 Million for Honolulu, Robert M. Belt, CE:Sep 63:60
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21:3433
Recreational Uses of Hydroelectric Reservoirs, (symposium), CE:Aug 63:38
Structures for Shore Protection, Jay V. Hall, Jr., CE:Jul 63:38

BEAM-COLUMNS
Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720

BEAMS
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Behavior of Prestressed Composite Steel Beams, Peter G. Hoadley, ST3:Jun 63:21:3534
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665
Deflection and Slope of Beams with Varying I, Otakar Ondra, ST1:Feb 63:25:3409
Design of Composite Beams for Highway Bridges, K. Ketchek, CE:Jul 63:60
Dynamic Analysis of Inelastic Multi-Degree Systems, A.C. Heidebrecht, J.F. Fleming and S.L. Lee, EM6:Dec 63:193:3730
Economy of High Strength Steel Structural Members, Geerhard Haaijer (with discussion), TR:128II:820:3509
Effect of Local Loss of Support on Foundation Design, F.E. Richart, Jr., and P. Zia (with discussion), TR:128I:1149:3476
Eigen-Matrix Method for Beams and Plates, Bennosuke Tanimoto, ST5:Oct 63:173:3681
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735
Grid Analysis by the Reaction Distribution Method, Irving Fader (with discussion), TR:128II:255:3428
Inelastic Lateral Buckling of Beams, Theodore V. Galambos, ST5:Oct 63:217:3683
Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3:May 63:63:3509
Limit Design of Crossed Steel Beams, Aron Zaslavsky (with discussion), TR:128II:431:3456
Minimum-Weight Design of Beams for Deflection, Ralph L. Barnett, TR:128I:221:3411
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406
Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4:Aug 63:389:3606
Tests on a 120-ft-Span Prestressed Concrete Beam, G.D. Base and R.E. Rowe (with discussion), TR:128II:125:3404
Transverse Normal Stress in Beams, J.L. Sackman, EM4:Aug 63:13:3590
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR:128I:897:3450
Vibrations of Linearly Tapered Cantilever Beams, G.W. Housner and W.O. Keightley (with discussion), TR:128I:1020:3461

BEARING CAPACITY
Allowable Bearing Capacity of Initially Bent Piles, Bengt B. Broms, SM5:Sept 63:73:3651
Bearing Capacity of Piles in Cohesionless Soils, R.L. Nordlund, SM3:May 63:1:3506
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3:May 63:63:3509
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2:Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57:3700
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406

BENTS
Applications of Topology in Structural Analysis, William R. Spillers, ST4:Aug 63:301:3600

BIBLIOGRAPHY
Bibliography on Cement Grouting: Progress Report of the Committee on Grouting of the Soil Mechanics and Foundations Division, Judson P. Elston, Chmn, SM4:Jul 63:45:3575
Bibliography on the Hydraulic Design of Spillways: Progress Report of the Task Force on Hydraulic Design of Spillways of the Committee on Hydraulic Structures of the Hydraulic Division, S.M. Barnes, Chmn, HY4:Jul 63:117:3573

BIDS
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

BINS
Dynamic Pressure of Granular Material in Deep Bins, Alexander M. Turitzin, ST2:Apr 63:49:3479

BLASTING
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63: 67:3418
Sweden--big underwater blast in frozen Fiord deepens channel, CE:Jul 63:78

BOLTS
Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731
Choosing the Best Sturctural Fastener, Henry J. Stetina, CE:Nov 63:50
Long Bolted Joints, Robert A. Bendigo, Roger M. Hansen, and John L. Rumpf, ST6:Dec 63: 187:3727
Riveted and Bolted Joints: Fatigue of Bolted Structural Connections, C.W. Lewitt, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:49: 3411
Riveted and Bolted Joints: Net Section Design, W.H. Munse and E. Chesson, Jr., ST1:Feb 63:107:3413
Riveted and Bolted Joints: Truss-Type Tensile Connections, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:67:3412

BREAKWATERS
Diffraction of Waves by Semi-Infinite Breakwater, R.L. Wiegel (with discussion), TR:128I:1181:3477
Mechanical Bypassing of Littoral Drift at Inlets, George M. Watts, TR:128IV:178:3455
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21: 3433
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1: Feb 63: 1:3428
Stable Concrete Blocks on Rubble-Mound Breakwaters, S. Nagai, TR:128IV:227:3474
See Coastal Engineering

BRICKS
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

BRIDGE ABUTMENTS
Analysis of Relief Bridge Scour, Emmett M. Laursen, HY3:May 63:93:3516

BRIDGES
AISC honors beautiful steel bridges of 1962, CE:Dec 63:89
American Welding Society specifications for welded highway and railway bridges, La Motte Grover, CE:Dec 63:60
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Analysis of Relief Bridge Scour, Emmett M. Laursen, HY3:May 63:93:3516
Book, "Bridges and Men," by Joseph Gies suggested for Xmas gift, CE:Dec 63:91
Canada and U.S.--Sault Ste. Marie International Bridge--Design and Construction, C.H. Gronquist, CE:May 63:31
Canada and U.S.--Sault Ste. Marie International Bridge opened, CE:Jan 63:75
Design of Composite Beams for Highway Bridges, K. Ketchek, CE:Jul 63:60
English Channel crossing by bridge-tunnel studied, CE:Sep 63:84
Holland--Pontoon derrick at work on Europe's longest bridge over Eastern Schelde River, CE:Oct 63:92
Hydraulic Design of Small Bridges, Alfred R. Pagan, CE:Jul 63:35
Manual facilitates orthotropic design of bridges, CE:May 63:73
Michigan--Highway Bridges with All-Steel Abutments, J.F. McDermott, CE:Feb 63:54
New York--Alexander Hamilton Bridge over the Harlem River opened, CE:Mar 63:88
Scour at Bridge Piers (symposium): 1. Cause and Effect, Luigi Stabilini; CE:May 63:46; 2. Protection of Threatened Piers, C.J. Posey, CE:May 63:48
Dsc, C.R. Neill, CE:Aug 63:63; A.R. Archer, Nov 63:72
Reply, L. Stabilini, CE:Aug 63:63
Virginia--Chesapeake Bay Bridge-Tunnel Project, (symposium): 1. Engineering Design, L.J. Sverdrup, CE:Dec 63:44; 2. Two Tunnels and Four Islands, Joseph Peraino, Dec 63:47; 3. Bridge and Trestle Construction, John W. Fowler, Dec 63:50
Virginia--Chesapeake Bay Bridge-Tunnel Survey, P.Z. Michener and E.O. Heaton, CE:Jun 63:54
Virginia--Chesapeake Bay crossing nears completion, CE:Nov 63:91

BRIDGES (General)
Surveys for the Lake Pontchartrain Bridge, James M. Tuttle (with discussion), TR:128IV: 42:3409

BRIDGES, CONCRETE
Australia--Gladesville Bridge nears completion in Sydney, CE:Jul 63:76
Recent Advances in the Design and Behavior of Concrete Bridges, Hubert Rüsch, TR:128II:881: 3519
Texas--Hill County concrete bridge reinforced with high-strength steel bars, CE:Sep 63:83
Dsc: P.W. Clark, CE:Nov 63:72

BRIDGES, CONCRETE PRESTRESSED
Alaska--Precast and Prestressed Bridge at Schooners Bend Fails, Donald E. Halsted, CE:Aug 63:60

BRIDGES, FLOATING
Washington--Seattle Lake Washington floating bridge nears completion, CE:Aug 63:85; opened to traffic, Nov 63:92

BRIDGES, PLATE GIRDER
Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675

BRIDGES, SUSPENSION
Corrected Deflection Theory of Suspension Bridges, John Szidarovsky (with discussion), TR:128II:1:3397

BRIDGES, SUSPENSION Continued
New York--cable spinning for The Narrows Bridge, CE:Mar 63:90; Oct 63:89
Pipeline Location: Special Surveys-I: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:7:3388
Portugal--construction starts on Tagus River Bridge, CE:Jun 63:81
Secondary Stresses in Parallel Wire Suspension Cables, Thomas Alan Wyatt (with discussion), TR:128II:97:3402
Short Flexible Suspension Bridges for Heavy Trucks, Sven Olof Asplund (with discussion), TR:128II:927:3521

BRIDGES, TIMBER
Maryland--Reconstructing a Covered Timber Bridge in Baltimore County, Albert S. Salkowski, CE:Oct 63:36

BRIDGES, TRUSS
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and William G. Mooney, TR:128II:629:3487
Indiana--all-welded truss-type bridge to span the Ohio, CE:Aug 63:87
New York--Newburgh-Beacon Bridge across Hudson: steel erection, CE:Jan 63:76; bridge dedicated, Dec 63:90, correction, CE:Jan 64:73
Oregon--John Day Bridge under construction, CE:Jun 63:80

BUILDING CODES
New edition of ACI Building Code, CE:Oct 63:91
New York City Building Code to be rewritten, CE:Jan 63:73
Revised American Welding Society building code available, CE:Nov 63:94

BUCKLING
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445
Buckling of Circular Arches Under Nonuniform Pressure, G. Wempner and T. Ewbank, EM4: Aug 63:17:3597
Buckling of Stepped Columns with Rotated Ends, Robert E. Sennett, III, and Sidney Shore, ST1: Feb 63:165:3415
Buckling of Thin Shells Under External Pressure, A.E. Armenakas and G. Herrmann, EM3:Jun 63:131:3552
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and William G. Mooney, TR:128II:629:3487
Creep Buckling of Reinforced Concrete Columns, Samuel Mauch and M.J. Holley, ST4:Aug 63:451:3610
Critical Buckling Loads for Tapered Columns, James M. Gere and Winfred O. Carter (with discussion), TR:128II:736:3490
Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161: 3721
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6: Dec 63:217:3736
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408
Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588
Stability of Equilateral Triangular Plates, William A. Bradley, EM1:Feb 63:37:3426
Stability of Frames Under Primary Bending Moments, Le-Wu Lu, ST3:Jun 63:35:3547
Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63: 537:3614
Structural Synthesis with Buckling Constraints, Lucien A. Schmit, Jr. and William M. Morrow, ST2:Apr 63:107:3496
Ultimate Load of H-Columns Under Biaxial Bending, Charles Birnstiel and James Michalos, ST2:Apr 63:161:3503
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II:653: 3489

BUILDINGS
Analysis of Rigid Frames by Difference Equations, Hsien-San Tsang, ST2:Apr 63:127:3499
California--Long Beach to have World Trade Center, CE:Aug 63:87
High-Rise Concrete Buildings, David Bloom, CE:Aug 63:57
Dsc: G.A. Kennedy, CE:Nov 63:72; W.H. Wheeler, Dec 63:68
Mexico--A New Project for Mexico City, Romeo Enriquez R. and Alejandro Fierro, CE:Jun 63:36
Corrections and additions, R. Enriquez R, Sep 63:64
Natural Periods of Vibration of Buildings, G.W. Housner and A.G. Brady, EM4:Aug 63: 31:3613
New York--George Washington Bridge Bus Station opened, CE:Mar 63:88
New York World's Fair 1964-1965--Building Trends, William Whipple, Jr., CE:May 63:36
Dsc: L. Zetlin, CE:Aug 63:63
Pennsylvania--Westinghouse Telecomputer Center near Pittsburgh will make major use of aluminum, CE:Mar 63:91
Dsc: R.W. Meier, CE:Jun 63:69
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627
Texas--Baytown Cracking Unit Strengthened for Wind Forces, Bennett W. Burns, CE:Dec 62:40
Dsc: L.H. Blakey, CE:Feb 63:58
Reply by author, CE:Mar 63:69
Tornados--Effect on Buildings, Frank E. Burkett, CE:Jan 63:51

BUILDINGS Continued
Corr, Paul E. Pedersen, CE:Apr 63:61
U.S. Steel Corp. publishes "Building Design Data," CE:Dec 63:90
Yugoslavia--Skopje Earthquake Damage, Walter E. Kunze, Mark Fintel, and James E. Amrhein, CE:Dec 63:56

BUILDINGS, APARTMENTS
Illinois--Engineers as Real Estate Developers, Paul Rogers and George A. Kennedy, CE:Jun 63:33
New York--Apartment towers above office building, CE:Sep 63:81

BUILDINGS, AUDITORIUMS, COLISEUMS, STADIUMS
Canada--lightweight dome for Vancouver exhibition building, CE:Mar 63:89
Germany--Aluminum Pavilion at Hanover Fair wins International Award, CE:Jun 63:81
Missouri--St. Louis starts large stadium development, CE:Aug 63:87
N.Y.--Unique Display Problems Solved for GE's World's Fair Pavilion, Stanley A. Graves, CE:Aug 63:45
Pennsylvania--Dome-type structure to house William Penn Memorial, Harrisburg, CE:Sep 63:80
Virginia--VPI completes huge coliseum, CE:May 63:72

BUILDINGS, DOMES
Canada--lightweight dome for Vancouver exhibition building, CE:Mar 63:89

BUILDINGS, GARAGES
Illinois--Timber Piles Reused in Place for Chicago Garage, Eugene A. Dubin, CE:Jun 63:39
Texas--Parking Garage in Downtown Houston Extended, Arnoldo Longoria, CE:Mar 63:57

BUILDINGS, MOTELS
Minnesota--Minneapolis Motor Hotel receives PCI Merit Award, CE:Sep 63:82

BUILDINGS, MUSEUMS
Washington, D.C.--Smithsonian's Museum of History and Technology nears completion, CE:Oct 63:90

BUILDINGS, OFFICE
Calif.--San Francisco to have 43-story office tower, CE:Dec 63:89
Canada--Height Tripled for Toronto Building, J.L. Kellermann, CE:Mar 63:31
Illinois--Gateway Center building to rise over Chicago railroad tracks, CE:Mar 63:91
Maryland--Baltimore Builds Charles Center to Revitalize Downtown Area, E.S. Deakyne, CE:Aug 63:54
Massachusetts--prudent workman on Boston's Prudential Tower, CE:Aug 63:86
Michigan--Detroit's Automated Post Office, V.F. Leabu, CE:Mar 63:34
Dsc: J.W. Silliman, CE:Jun 63:69
New York--apartment towers above office building rise near UEC, CE:Sep 63:81
New York--giant steel column set in New York Chemical Bank-New York Trust, CE:Apr 63:81
New York--skyscraper to replace Grand Central Palace, CE:Jun 63:83

BUILDINGS, SCHOOLS
Illinois--new civil engineering building for University of Illinois, CE:Oct 63:90

BULKHEADS
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
See Coastal Engineering

BUREAU OF PUBLIC ROADS
See Highways

CABLES
Boundary Flow Along a Circular Cylinder, R.O. Reid and Basil W. Wilson, HY3:May 63: 21:3512
Corrected Deflection Theory of Suspension Bridges, John Szidarovsky (with discussion), TR:128II:1:3397
Secondary Stresses in Parallel Wire Suspension Cables, Thomas Alan Wyatt (with discussion), TR:128II:97:3402
Simplified Sag-Tension Equations for Power Lines, Francis J. Hubert, TR:128III:214:3464

CAISSONS
New York--Pretest Tiebacks and Drilled-In Caissons for Retaining Wall in Syracuse, Robert E. White, CE:Apr 63:36
Dsc: O.C. Mann, praising article, CE:Jun 63:69

CALIFORNIA
Oxygen Relationships in the Sacramento River, Charles G. Gunnerson and Thomas E. Bailey, SA4:Aug 63:95:3619

CANALS (General)
California--work to start on San Luis Canal, CE:Jun 63:84; new contract let, Oct 63:89
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III:349: 3499
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
New York--(Erie Canal) Engineering Clinton's Ditch, Albert C. Jensen, CE:Sep 63:48
New York--modernization of Barge Canal urged, CE:Sep 63:82
Sediment-Transport Capability in Erodible Channels, Shieh-Wen Mao and Leonard Rice, HY4:Jul 63:69:3569
Seepage Meters in Seepage and Recharge Studies, Herman Bouwer and R.C. Rice, IR1: Mar 63:17:3448
Stability of Alluvial Channels, Francis M. Henderson (with discussion), TR:128I:657:3440

CANALS (General) Continued
USSR--Volga-Baltic Canal to be replaced, CE:Dec 63:88

CAUSEWAYS
Virginia--Chesapeake Bay Bridge-Tunnel Project, (symposium): 1. Engineering Design, L.J. Sverdrup, CE:Dec 63:44, 2. Bridge and Trestle Construction, John W. Fowler, CE:Dec 63:50

CAVITATION
Cavitation in Hydraulic Structures: Mechanics of Cavitation, HY3:May 63:251:3530
Cavitation in Hydraulic Structures: Problems Created by Cavitation Phenomena, Fred R. Brown, HY1:Jan 63:99:3393
Cavitation in Hydraulic Structures: Scale Effects Involved in Cavitation Experiments, J.M. Robertson, HY3:May 63:167:3520
Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646

CEMENT
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
New York--(Erie Canal) Engineering Clinton's Ditch, Albert C. Jensen, CE:Sep 63:48
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486

CHANNELS
Analog Models for Flood Control Systems, TR:128I:993:3458
Channel Stability in Undisturbed Cohesive Soils, Elliott M. Flaxman, HY2:Mar 63:87:3462
Critical Flow in Terms of Hydraulic Equivalents, Francis S.Y. Lee (with discussion), TR:128III:470:3515
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Flood Waves in Prismatic Channels, F.M. Henderson, HY4:Jul 63:39:3568
Flow Retardance by Channel Weeds and Their Control, J.C. Stephens, R.D. Blackburn, D.E. Seaman, and L.W. Weldon, IR2:Jun 63:31:3550
Forms of Bed Roughness in Alluvial Channels, D.B. Simons and E.V. Richardson (with discussion), TR:128I:284:3414
Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division, E. Silberman, Chmn, HY2:Mar 63:97:3464
Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Sediment-Transport Capability in Erodible Channels, Shieh-Wen Mao and Leonard Rice, HY4:Jul 63:69:3569
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413
Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567
Stability of Alluvial Channels, Francis M. Henderson (with discussion), TR:128I:657:3440
Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
Terminal Shape of a Shallow Liquid Front, E. Roy Tinney and D.L. Bassett (with discussion), TR:128I:609:3433
Total Sediment Transport in the Lower Colorado River, John R. Sheppard (with discussion), TR:128I:721:3441
Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491
Unification of Parshall Flume Data, Sydney Davis (with discussion), TR:128III:399:3511
Uniform Flow in a Shallow, Triangular Open Channel, Richard J. Wasley (with discussion), TR:128I:633:3437
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simons and Maurice L. Albertson (with discussion), TR:128I:65:3399

CHIMNEYS
Tennessee--Bull Run steam plant to have highest chimney, CE:Apr 63:79
Vibrations of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661

CITY PLANNING
Auto Trips to the Central Business District, John A. Dearinger, TR:128IV:278:3482
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
New York--improvement plan for downtown Buffalo, CE:Jun 63:82
Ohio--urban renewal project begun in Cleveland, CE:Mar 63:89
Oregon--urban renewal project for Portland, CE:Feb 63:74
Pennsylvania--Pittsburgh announces design competition for public square, CE:Oct 63:89
Predicting the Modal Split in Pittsburgh, Louis E. Keefer, HW1:Apr 63:13:3469
Virginia--Satellite City, Reston, planned for Washington, D.C., area, CE:May 63:73
<u>See also</u> Urban Renewal

CIVIL DEFENSE
ASCE represented at Washington, D.C., Civil Defense hearing, CE:Jul 63:64
Fallout-Shelter Design Data Available Free, E.S. Plotkin, CE:Oct 63:54
Graduate institutes to offer courses on protective construction, CE:May 63:74
<u>See also</u> Shelters

CLAY
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr. (with discussion), TR:128I:949:3452
Expansion of a Cavity in a Saturated Clay Medium, B. Ladanyi, SM4:Jul 63:127:3577

CLAY Continued
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47:3460
Pore Pressures in a Foundation Clay, T. William Lambe (with discussion), TR:128I:865:3448
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501
Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Stability of Cuts in Soft Soils, T.C. Kenney, SM5:Sept 63:17:3647
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Study of Failure Envelope of Soils, T.H. Wu, A.K. Loh, and L.E. Malvern, SM1:Feb 63:145:3430
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486

CLAYS
Compression of Partially Saturated Cohesive Soils, Y. Yoshimi and J.O. Osterberg, SM4:Jul 63:1:3566

CLIMATE
Climate, Population, and Water Demand, G.M. Quraishi, SA2:Apr 63:1:3470

COASTAL ENGINEERING
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Hawaii--New Land Worth $23 Million for Honolulu, Robert M. Belt, CE:Sep 63:60
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21:3433
Structures for Shore Protection, Jay V. Hall, Jr., CE:Jul 63:38

COATINGS
Metal-and -Paint Coatings for Long-Term Corrosion Resistance, A.P. Shepard, CE:Oct 63:50

CODES
Regulation of Pipeline Design and Construction: Progress Report of the Task Committee on Investigation of Problems Involved in the Regulation of Pipeline Design and Construction by Various Governmental Agencies, ASCE, Lewis E. Hoffmann, Chmn, PL1:Jan 63:1:3379
See Building Codes

COEFFICIENTS
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Drag Forces in Velocity Gradient Flow, Frank D. Masch and Walter L. Moore (with discussion), TR:128I:48:3394
Dye Dispersion Studies, Alex N. Diachishin, SA1:Jan 63:29:3386
Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735

Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3:May 63:63:3509
Moment Coefficients for Frame Analysis, F.P. Wiesinger, S.L. Lee and J.F. Fleming, ST6:Dec 63:1:3712
Optimum Solution Techniques for Finite-Difference Equations, Richard N. White, ST4:Aug 63:115:3587

COFFERDAMS
Canada--Concrete Cutoff Wall Drilled Down 250 ft for Manicouagan 5 Dam, Quebec, I.V. Galbiati, CE:Nov 63:59
Kariba Left Bank Cofferdam, Jean J. Martin, CO1:Mar 63:33:3454
Ohio--Meldahl Locks and Dam on the Ohio River, William F. McCraw, Jr., CE:Sep 63:56

COLLECTIVE BARGAINING
Returns from 1963 ASCE Employment Survey Reported, CE:Sep 63:40

COLORADO RIVER
Project Yields by a Probability Method, W. Don Maughan and R.Y. Kawano, HY3:May 63:41:3513

COLUMNS
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Analysis of Multi-Span, Gable Frames, John R. Harris (with discussion), TR:128II:755:3494
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445
Buckling of Stepped Columns with Rotated Ends, Robert E. Sennett, III, and Sidney Shore, ST1:Feb 63:165:3415
Columns in Planar Continuous Structures, M. Ojalvo, and V. Levi, ST1:Feb 63:1:3408
Creep Buckling of Reinforced Concrete Columns, Samuel Mauch and M.J. Holley, ST4:Aug 63:451:3610
Critical Buckling Loads for Tapered Columns, James M. Gere and Winfred O. Carter (with discussion), TR:128II:736:3490
Dynamic Bending of Elastic Columns, Herbert R. Bailey, ST4:Aug 63:95:3585
Dynamic Response of Elastic-Viscous-Plastic Columns, Cheng Y. Yang, Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541
Integrated Sturctural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649

COLUMNS Continued

Stability of Elasto-Plastic Wide-Flange Columns, George F. Hauck and Seng-Lip Lee, ST6:Dec 63:297:3738

Stability of Frames Under Primary Bending Moments, Le-Wu Lu, ST3:Jun 63:35:3547

Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63: 537:3614

Strength of Round Columns, Yuzuru Fujita and George C. Driscoll, Jr., TR:128II:466:3460

Ultimate Load of H-Columns Under Biaxial Bending, Charles Birnstiel and James Michalos, ST2:Apr 63:161:3503

Zero Sidesway Axis of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662

COMPACTION

Compression of Partially Saturated Cohesive Soils, Y. Yoshimi and J.O. Osterberg, SM4: Jul 63:1:3566

Effective Stress Theory of Soil Compaction, Roy E. Olson, SM2:Mar 63:27:3457

Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3458

Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47: 3460

Properties of Roadbeds, Ira B. Mullis, HW1: Apr 63:81:3500

COMPOSITE DESIGN

Behavior of Prestressed Composite Steel Beams, Peter G. Hoadley, ST3:Jun 63:21:3534

COMPUTERS

Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584

Analysis of Large Movable Structures, Herbert Rothman and Philip Mason, ST4:Aug 63:353:3605

Analysis of Nonlinear Structures, John E. Goldberg and Ralph H. Richard, ST4:Aug 63: 333:3604

Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675

Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734

Analytic Methods in Transportation: Systems Analysis for Arterial Street Operation, Charles Pinnell and Gilbert T. Satterly, Jr., EM6:Dec 63:67:3728

Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710

Applications of Topology in Structural Analysis, William R. Spillers, ST4:Aug 63:301: 3600

Arch Dam Analysis with an Electric Analog Computer, Richard H. MacNeal (with discussion), TR:128I:168:3403

Computer Study of Dynamic Behavior of Piling, Charles H. Samson, Jr., Teddy J. Hirsch, and Lee L. Lowery, Jr., ST4:Aug 63:413:3608

Control Traverses and Their Adjustment, Everett D. Morse, SU2:Jun 63:39:3546

Creep Buckling of Reinforced Concrete Columns, Samuel Mauch and M.J. Holley, ST4: Aug 63:451:3610

Critical Buckling Loads for Tapered Columns, James M. Gere and Winfred O. Carter (with discussion), TR:128II:736:3490

Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416

Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709

Dynamic Analysis of Inelastic Multi-Degree Systems, A.C. Heidebrecht, J.F. Fleming and S.L. Lee, EM6:Dec 63:193:3730

Dynamic Bending of Elastic Columns, Herbert R. Bailey, ST4:Aug 63:95:3585

Dynamic Flexibility Matrix Analysis of Frames, K.W. Levien and B.J. Hartz, ST4: Aug 63:515:3612

Dynamic Nonlinear Response of Reinforced Concrete Arches, Vijay N. Gupchup and John M. Biggs, ST4:Aug 63:225:3596

Dynamics of a Large Steerable Radio Telescope Antenna, William Weaver, Jr., and Thomas R. Kane, ST4:Aug 63:55:3583

Elastic Rayleigh Wave Motions Due to Nuclear Blasts, Melvin L. Baron and Ronald Check, EM1:Feb 63:57:3432

Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628

Engineering Approach to Information Processing, Walter M. Carlson, ST4:Aug 63:31:3595

Hydrogeologic Electric Analog Computer, William C. Walton and Thomas A. Prickett, HY6:Nov 63:67:3695

Impact of the Computer on the Young Engineer, Elmer K. Timby, PP1:Jan 63:31:3398

Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649

Large Capacity of Multistory Frame Analysis Programs, Ray W. Clough, Edward L. Wilson, and Ian P. King, ST4:Aug 63:179:3592

Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3: May 63:63:3509

Man-Machine Communication in Civil Engineering, C.L. Miller, ST4:Aug 63:5:3594

Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680

Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532

Mechanics of a Mathematical Ground-Water Model, Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461

Moment Coefficients for Frame Analysis, F.P. Wiesinger, S.L. Lee and J.F. Fleming, ST6: Dec 63:1:3712

Natural Periods of Vibration of Buildings, G.W. Housner and A.G. Brady, EM4:Aug 63:31: 3613

Network Analogy for Linear Structures, W.R. Spillers, EM4:Aug 63:21:3601

Network-Topological Formulation of Structural Analysis, Steven J. Fenves and Franklin H. Branin, Jr., ST4:Aug 63:483:3611

Nonlinear Behavior of Structural Plane Frames, S.A. Saafan, ST4:Aug 63:557:3615

Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588

COMPUTERS Continued
Optimum Solution Techniques for Finite-Difference Equations, Richard N. White, ST4: Aug 63:115:3587
Orthonormal Equations for Surveying Adjustment, H.L. Su, SU1:Feb 63:77:3438
Photogrammetric Engineering and Reservoir Planning, Pliny Gale, SU1:Feb 63:113:3443
Plane Stress Analysis, C.W. McCormick, ST4:Aug 63:37:3581
Project Yields by a Probability Method, W. Don Maughan and R.Y. Kawano, HY3:May 63: 41:3513
Re-entry Optimization and Synthesis Program, T.E. Hess, J.C. Bailey, and H.J. Most, ST4: Aug 63:249:3598
Reliability Framework for Structural Design, Howard L. Leve, ST4:Aug 63:315:3603
Simplified Formulation of Stiffness Matrices, Peter M. Wright, ST2:Apr63:33:3478
Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4:Aug 63:389:3606
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567
Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63: 537:3614
Streamflow Records by Digital Computer, E.J. Kennedy, IR3:Sept 63:29:3625
Structural Analysis of Solids, Robert J. Melosh, ST4:Aug 63:205:3593
Structural Synthesis and Design Parameter Hierarchy, Lucien A. Schmit, Jr., and Robert H. Mallett, ST4:Aug 63:269:3599
Transient Response of Nonlinear Systems, P.F. Cuniff, EM2:Apr 63:19:3474
Use of Critical Path Techniques, Charles W. Zahler, ST4:Aug 63:151:3589
Variational Methods in Fluid Dynamics, J.W. Delleur and A.A. Sooky (with discussion), TR:128I:794:3444
Vibrations of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502

COMPUTERS, ELECTRONIC
ASCE Structural Division Computation Conference at University of Colorado, June 19-21, 1963; Program-May 63:61; Aug 63:75
Computers Provide a Shortcut in Earthwork Estimates for Dam Design, Robert S. Gooch, CE:Oct 63:58
Two-Hinged Arches, Digital Computer Analysis and Design, Ira Hooper and P.C. Wang, CE:Dec 63:67

COMPUTING
Deflection Theory of Arches, S.O. Asplund (with discussion), TR:128II:307:3439
Flexibility Method of Coupling Redundant Complex Structures, Claus J. Meissner and Robert S. Levy, ST6:Dec 63:325:3742
Hydro System Power Analysis by Digital Computer, David J. Lewis and Loren A. Shoemaker, TR:128I:1074:3466
Vibrations of Linearly Tapered Cantilever Beams, G.W. Housner and W.O. Keightley (with discussion), TR:128I:1020:3461
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451

CONCRETE (General)
American Concrete Institute's president Roger Corbetta installed, CE:Jun 63:81
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Analysis of Prestressed Cylindrical Shell Roofs, Ryszard Dabrowski, ST5:Oct 63:91:3668
Concrete for Marinas, E.P. Sellner, CE:Jul 63:48
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Dynamic Nonlinear Response of Reinforced Concrete Arches, Vijay N. Gupchup and John M. Biggs, ST4:Aug 63:225:3596
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Fracture of Plain Concrete, Joseph Glucklich, EM6:Dec 63:127:3715
Galvanic Corrosion In Concrete Containing Calcium Chloride, T.E. Wright and I.H. Jenks, ST5:Oct 63:117:3669
High-Rise Concrete Buildings, David Bloom, CE:Aug 63:57
Dsc: G.A. Kennedy, CE:Nov 63:72; W.H. Wheeler, Dec 63:68
Installation Problems with Cast-in-Place Concrete Piles, Michael Praszker, CE:Mar 63:50
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63: 57:3700
Maximum Size of Aggregate Affects Strength of Concrete, E.C. Higginson, G.B. Wallace, and E.L. Ore, CE:Nov 63:38
Mechanics of Crack Arrest in Concrete, James P. Romualdi and Gordon B. Batson, EM3:Jun 63: 147:3558
Metal Work Design of High Intensity Radiation Cells, John M. Ruddy, TR:128II:568:3473
Phase I Report on Folded Plate Construction; Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, Robert E. Fulton, Chmn, ST6:Dec 63:365:3741
Recent Advances in the Design and Behavior of Concrete Bridges, Hubert Rüsch, TR:128II:881: 3519
Restraint of Structures Attached to Mass Concrete, Keith Jones (with discussion), TR:128II: 412:3454
Stable Concrete Blocks on Rubble-Mound Breakwaters, S. Nagai, TR:128IV:227:3474
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1:Apr 63: 57:3497

CONCRETE (General) Continued
Two-year investigation at Ohio State University, CE:Feb 63:74
Vermiculite Insulating Concrete--Pumped and Sprayed, Clayford T. Grimm, CE:Nov 63:67
Vibrations of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661
Yugoslavia--Skopje Earthquake Damage to Concrete Buildings, Walter E. Kunze, Mark Fintel, and James E. Amrhein, CE:Dec 63:56

CONCRETE, PRECAST and PRESTRESSED
Alaska--Precast and Prestressed Bridge at Schooners Bend Fails, Donald E. Halsted, CE:Aug 63:60
Oregon--Interceptor Sewer Built in Lake Oswego, William J. Dorner and Walter J. Bushnell, CE:Mar 63:54

CONCRETE, PRESTRESSED
Behavior of Prestressed Composite Steel Beams, Peter G. Hoadley, ST3:Jun 63:21:3534
Computer Study of Dynamic Behavior of Piling, Charles H. Samson, Jr., Teddy J. Hirsch, and Lee L. Lowery, Jr., ST4:Aug 63:413:3608
Freezing and Thawing Effects on Prestressed Concrete, M.J. Gutzwiller and F.E. Musleh (with discussion), TR:128II:152:3405
Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424
Recent Advances in the Design and Behavior of Concrete Bridges, Hubert Rüsch, TR:128II:881:3519
Strength of Prestressed Concrete Pavements, Yutaka Osawa, TR:128II:607:3485
Tests on a 120-ft-Span Prestressed Concrete Beam, G.D. Base and R.E. Rowe (with discussion), TR:128II:125:3404

CONCRETE, REINFORCED
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645
Creep Buckling of Reinforced Concrete Columns, Samuel Mauch and M.J. Holley, ST4:Aug 63:451:3610
Error Statistics for Reinforced Concrete Beams, Theodore Zsutty, ST6:Dec 63:235:3732
Illinois--Engineers as Real Estate Developers, Paul Rogers and George A. Kennedy, CE:Jun 63:33
Reinforced Concrete Pavements for Airports, August W. Compton (with discussion), TR:128IV:27:3400
Reinforced Concrete Research Council elects officers, CE:Feb 63:42

CONDUITS
Hood Inlet for Closed Conduit Spillways, Fred W. Blaisdell (with discussion), TR:128I:1:3393
Turbulent Flow in Rectangular Ducts, Hans J. Leutheusser, HY3:May 63:1:3508

CONSOLIDATION
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr. (with discussion), TR:128I:949:3452
Hyperbolic Stress-Strain Response: Cohesive Soils, Robert L. Kondner, SM1:Feb 63:115:3429
Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
Stability of Cuts in Soft Soils, T.C. Kenney, SM5:Sept 63:17:3647

CONSTRUCTION
Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division, C.H. Oglesby, Chmn, CO1:Mar 63:73:3456
Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646
Cost of Operating a Field Construction Office, John D. Bristor, CO2:Sept 63:75:3643
Deep Injection Disposal Well for Liquid Toxic Waste, O.E. Mechem and J.H. Garrett, CO2:Sept 63:111:3650
Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3458
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
Field Estimating and Cost Control, John R. Ice, CO2:Sept 63:1:3623
Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622
Kariba Left Bank Cofferdam, Jean J. Martin, CO1:Mar 63:33:3454
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213:3412
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627
Russia--Construction Boom, James K. Carr, CE:Mar 63:39
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
Short Flexible Suspension Bridges for Heavy Trucks, Sven Olof Asplund (with discussion), TR:128II:927:3521
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462
Surveys for the Lake Pontchartrain Bridge, James M. Tuttle (with discussion), TR:128IV:42:3409
Titan ICBM Hardened Facilities, Marvin J. Kudroff (with discussion), TR:128II:516:3467
Use of Critical Path Techniques, Charles W. Zahler, ST4:Aug 63:151:3589
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

CONSTRUCTION EQUIPMENT
Australia--Machine Tunneling in Tasmania, Henry H. Thomas, CE:Mar 63:60
New Hampshire--Flexible Pavement for Interstate Route, Daniel S. Bailey, Jr., CE:Jan 63:44
Road Show, Chicago Features New Equipment, H.A. Radzikowski, CE:Feb 63:32
Road Show, Chicago 1963, staff article, CE:Apr 63:32

CONSTRUCTION INDUSTRY
Alaska in the throes of a building boom, CE:Oct 63:88
Assoc. General Contractors of America intensifies safety program, CE:Jul 63:79
AGC holds annual meeting in New York, CE:Apr 63:78
Dsc, Overseas jobs for U.S. construction personnel, George E. Fischer, CE:Jul 63:62
Moles announce award winners, CE:Dec 63:89
Moles Awards presented to ASCE members, CE:Mar 63:92
Who Pays For The Unexpected In Construction?, (symposium) CE:Sep 63:37

CONSTRUCTION, PROCEDURE
Adverse weather--Its Effect on Engineering Design and Construction, dry cold conditions Palmer W. Roberts, CE:May 63:50

CONSTRUCTION VOLUME
Measured by construction spending: CE:Jan 63:72; Feb 63:72; Mar 63:91; May 63:74; Jun 63:83; Jul 63:80; Aug 63:85; Oct 63:89; Nov 63:92; Dec 63:90

CONSULTING PRACTICE
Consulting Engineers Council holds seventh annual meeting, CE:Jul 63:78
Consulting Engineers Council to publish directory of U.S. firms available for international assignments, CE:Nov 63:91
Consulting Engineers Council vs. TVA on Dominican project, CE:Oct 63:91
An Engineer Goes Abroad, Edmund B. Besselievre, CE:Jan 63:17
Dsc: S. Prakash, CE:Jun 63:69
European Common Market, E.E. Halmos, Jr., CE:Jan 63:24
Exporting Consulting Engineering, K.L. Kollar, CE:Jul 63:58
Negotiating for Engineering Services--the Consulting Engineer's Viewpoint, N.P. Turner, Jr., CE:Mar 63:52
Protest to Secretary of Defense on engineer-architect work limitation, CE:Dec 63:78

CONTRACTS
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

CORPS OF ENGINEERS
See U.S. CORPS OF ENGINEERS

CORROSION
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645
Metal-and-Paint Coatings for Long-Term Corrosion Resistance, A.P. Shepard, CE:Oct 63:50

COSTS
Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR:128III:162:3430
Cost of Operating a Field Construction Office, John D. Bristor, CO2:Sept 63:75:3643
Electronic Surveys in New Brunswick, Gottfried Konecny and Willis F. Roberts, SU3: Oct 63:17:3666
Field Estimating and Cost Control, John R. Ice, CO2:Sept 63:1:3623
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

COSTS, PIPELINE
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390

COUPLING
Flexibility Method of Coupling Redundant Complex Structures, Claus J. Meissner and Robert S. Levy, ST6:Dec 63:326:3742

CRACKS
Fracture of Plain Concrete, Joseph Glucklich, EM6:Dec 63:127:3715

CRITICAL PATH METHOD
Use of Critical Path Techniques, Charles W. Zahler, ST4:Aug 63:151:3589

CULVERTS
Length of Culverts, K.R. Patel, HW1:Apr 63: 27:3482

CURVES
Correlation of Future Vehicle and Highway Design, Kenneth A. Stonex, TR:128IV:302:3483
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3: May 63:103:3514
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Extension of Rating Curves by Field Surveys, Walter T. Sittner, HY2:Mar 63:1:3444
New Concepts for Urban Freeway Interchanges, Donald W. Loutzenheiser (with discussion), TR:128IV:332:3492
Transient Response of Nonlinear Systems, P.F. Cuniff, Cuniff, EM2:Apr 63:19:3474
Unique Consumptive Use Curve Related to Irrigation Practice, IR1:Mar 63:43:3449

CURVES Continued
Vertical Curve Plotting, James W.O. Baker, HW1:Apr 63:1:3476

CUTOFFS
Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699

DAMAGE
Cavitation in Hydraulic Structures: Problems Created by Cavitation Phenomena, Fred R. Brown, HY1:Jan 63:99:3393
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209:3434
Risk Criteria, Leon E. Borgman, WW3:Aug 63:1:3607

DAMS (General)
Analysis of Structures by System Theory, N.C. Lind (with discussion), TR:128II:786:3508
ASCE-USCOLD Committee on Dam Design Criteria meets, CE:Jun 63:75; sends out questionnaires, Oct 63:74
Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
India--Nehru dedicates Bhakra Dam, CE:Dec 63:88
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423
Ohio--work begins on Scioto Conservancy District dams, CE:Nov 63:93
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
Seepage Under Dams, Hammad Y. Hammad, SM4:Jul 63:25:3570
Tennessee--TVA's Hales Bar Dam to be replaced, CE:Jun 63:83
Texas--railroad relocation, first phase of Amistad Dam Project, CE:May 63:74
Total Sediment Transport in the Lower Colorado River, John R. Sheppard (with discussion), TR:128I:721:3441
What Comes Before Construction of a Dam?, Hugh B. Montgomery, CE:Apr 63:56
See also Fishways

DAMS, ARCH
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Arch Dam Analysis with an Electric Analog Computer, Richard H. MacNeal (with discussion), TR:128I:168:3403
Colorado--Bur. of Reclamation awards contract for Morrow Point Dam, CE:Jul 63:79
International Symposium on the Theory of Arch Dams, CE:Sep 63:82
Iran--Dez Dam dedicated, CE:Apr 63:80

DAMS, CONCRETE
Alabama--contract awarded for Holt Lock and Dam, CE:Jul 63:79
Arizona--Glen Canyon Dam four-fifths completed, CE:Jan 63:74
Arizona--last concrete placed in Glen Canyon Dam, CE:Oct 63:89
California--ground is broken for American River Project, CE:Sep 63:84
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Influence of Geological Conditions on Uplift, W. Harold Stuart (with discussion), TR:128I:765:3443
Ohio--Meldahl Locks and Dam on the Ohio River, William F. McCraw, Jr., CE:Sep 63:56
Restraint of Structures Attached to Mass Concrete, Keith Jones (with discussion), TR:128II:412:3454
Venezuela--U.S. firm gets contract for Guri Dam, CE:Dec 63:92
Washington--Aluminum in Rocky Reach Dam, Robert M. Peters, CE:Jul 63:32
Dsc: J.H. Fetty, CE:Oct 63:61
Rep. by Author: CE:Oct 63:61

DAMS, EARTHFILL
California--contract awarded for San Luis Dam, CE:Feb 63:72
California--work begun on Oroville Dam, CE:Nov 63:93
Colombia, S.A.--International Credit for Andean Hydro, S.P. McCasland, CE:Jan 63:36
Colombia, S.A.--Placing Earth Fill for Troneras Dam, C.Y. Li, CE:Feb 63:37
Computers Provide a Shortcut in Earthwork Estimates for Dam Design, Robert S. Gooch, CE:Oct 63:58
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209:3434
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47:3460
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67:3418
Washington--Innovations at Wanapum Dam, U.V. Engstrom, CE:Oct 63:43

DAMS, EARTHFILL (Geographical)
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67:3418

DAMS, ROCKFILL
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209:3434
Oregon--Round Butte Dam fishways, CE:Jan 63:54
Philippines--contract awarded for Angat dam, CE:Apr 63:81
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67:3418
Syria--Rastan Dam, irrigation structure completed, CE:Jun 63:82

DAMS, ROCKFILL (Geographical)
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67: 3418

DEFLECTION
Analysis of Rigid Frames by Difference Equations, Hsien-San Tsang, ST2:Apr 63:127:3499
Bar-Chain Method for Analyzing Truss Deformation, S.L. Lee and P.C. Patel (with discussion), TR:128II:74:3401
Corrected Deflection Theory of Suspension Bridges, John Szidarovsky (with discussion), TR:128II:1:3397
Deflection of Hinged Rings Under Unifrom Pressure, James A. Cheney, EM6:Dec 63:161:3721
Deflection and Slope of Beams with Varying I, Otakar Ondra, ST1:Feb 63:25:3409
Deflection Theory of Arches, S.O. Asplund (with discussion), TR:128II:307:3439
Dynamic Bending of Elastic Columns, Herbert R. Bailey, ST4:Aug 63:95:3585
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Flexibility Method of Coupling Redundant Complex Structures, Claus J. Meissner and Robert S. Levy, ST6:Dec 63:326:3742
Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468
Folded Plate Structures of Light Gage Steel, Arthur H. Nilson (with discussion), TR:128II: 848:3514
Large Deflections of Plates on Elastic Foundations, S.N. Sinha, EM1:Feb 63:1:3416
Minimum-Weight Design of Beams for Deflection, Ralph L. Barnett, TR:128I:221:3411
Principle of Virtual Work in Structural Analysis, Frank L. DiMaggio (with discussion), TR:128II:183:3407
Strength of Prestressed Concrete Pavements, Yutaka Osawa, TR:128II:607:3485
Stresses in a Pressurized Box, H.D. Conway, ST2:Apr 63:95:3492
Thermoelasticity of Heterogenous Aeolotropic Plates, Yehuda Stavsky, EM2:Apr 63:89:3486
Zero Sidesway Axis of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662

DEFLECTIONS
Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735
Philosophy of Engineering Design of Structures, Malcom S. Gregory, ST6:Dec 63:119:3722

DEFORMATION
Structure Design Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718

DENSITY
Effective Stress Theory of Soil Compaction, Roy E. Olson, SM2:Mar 63:27:3457

DESIGN
Economic Advantages of Ultimate-Strength Design, Thomas W. Taylor, CE:Nov 63:65
Two-Hinged Arches, Digital Computer Analysis and Design, Ira Hooper and P.C. Want, CE:Dec 63:67

DISPERSION
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Dye Dispersion Studies, Alex N. Diachishin, SA1:Jan 63:29:3386
Fluorescent Tracers for Dispersion Measurements, Donald L. Feuerstein and Robert E. Selleck, SA4:Aug 63:1:3586
Intruded Salt-Water Wedge in Porous Media, R.R. Rumer, Jr., and D.R.F. Harleman, HY6: Nov 63:193:3707

DOCKS
Berthing and Mooring Forces, Glen B. Woodruff (with discussion), TR:128IV:376:3504
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523

DRAINAGE
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR:128III:162:3430
ASCE Irrigation and Drainage Division Specialty Conference in Los Angeles, Nov. 6-8: program, CE:Sep 63:66; Dec 63:40
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III: 349:3499
Critical Flow in Terms of Hydraulic Equivalents, Francis S.Y. Lee (with discussion), TR:128III:470:3515
Depth and Spacing of Tile Drain Systems, H.Y. Hammad (with discussion), TR:128III:535:3517
Design of Metal Pipe for Use in Irrigation Structures, Darrell N. Blake, IR3:Sept 63:45: 3634
Design of Tile Drainage for Falling Water Tables, Jan van Schilfgaarde, IR2:Jun 63:1:3543
Drainage Wells in Leaky Water-Table Aquifers, Mahdi S. Hantush, TR:128I:1005:3459
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628
Evaporation at High Elevations in California, Leonard L. Longacre and Harry F. Blaney (with discussion), TR:128III:444:3513
Factors Affecting the Safe Yield of Ground-Water Basins, John F. Mann, Jr. (with discussion), TR:128III:180:3434
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR:128III:103:3419
Flow Retardance by Channel Weeds and Their Control, J.C. Stephens, R.D. Blackburn, D.E. Seaman, and L.W. Weldon, IR2:Jun 63:31:3550
Length of Culverts, K.R. Patel, HW1:Apr 63: 27:3482

DRAINAGE Continued
Mechanics of Evapo-Transpiration, David W. Hendricks and Vaughn E. Hansen (with discussion), TR:128III:422:3512
Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
New Machine Lays Plastic Drains, James L. Fouss, CE:Apr 63:58
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422
Quality and Significance of Irrigation Return Flow, Robert O. Sylvester and Robert W. Seabloom, Jr., IR3:Sept 63:1:3624
Seepage Meters in Seepage and Recharge Studies, Herman Bouwer and R.C. Rice, IR1: Mar 63:17:3448
Tolerance of Plants to Salinity, Leon Bernstein (with discussion), TR:128III:561:3518
Unification of Parshall Flume Data, Sydney Davis (with discussion), TR:128III:399:3511
Unsteady Flow of Ground Water into Drain Tile, R.H. Brooks (with discussion), TR:128III:117: 3420
Water Table Fluctuations Induced by Irrigation, Marinus Maasland, TR:128III:142:3223

DRAINS
Design of Tile Drainage for Falling Water Tables, Jan van Schilfgaarde, IR2:Jun 63:1:3543

DRILLING
Canada--Concrete Cutoff Wall Drilled Down 250 ft for Manicouagan 5 Dam, Quebec, I.V. Galbiati, CE:Nov 63:59
Deep Injection Disposal Well for Liquid Toxic Waste, O.E. Mechem and J.H. Garrett, CO2: Sept 63:111:3650
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63: 67:3418

DROUGHTS
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
Calculated Risks of Impounding Reservoir Yield, John B. Stall and James C. Neill, HY1: Jan 63:25:3385
Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714

DYNAMICS
Dynamic Response of Lattice-Type Structures, Bruce E. Berger and Sidney Shore, EM2:Apr 63: 47:3484

EARTH PRESSURE
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507

EARTHQUAKES
Chile--photogrammetry for Reconstruction and National Development, Staff of Proyecto Aerofotogrametrico CE:Jun 63:58
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209: 3434
Third World Conference on Earthquake Engineering, to feature exhibits, CE:Nov 63:76

Yugoslavia--Skopje earthquake damage studied by American Iron and Steel Inst., CE:Oct 63:83
Yugoslavia--Skopje Earthquake Damage, Walter E. Kunze, Mark Fintel, and James E. Amrhein, CE:Dec 63:56

EARTHWORK
Computers Provide a Shortcut in Earthwork Estimates for Dam Design, Robert S. Gooch, CE:Oct 63:58
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63: 67:3418

ECONOMICS
Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674
Buy American turbines, CE:Apr 63:81
Cost of Operating a Field Construction Office, John D. Bristor, CO2:Sept 63:75:3643
Factors Affecting the Safe Yield of Ground-Water Basins, John F. Mann, Jr. (with discussion), TR:128III:180:3434
European Common Market, E.E. Halmos, Jr., CE:Jan 63:24
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422

EDUCATION
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, Nathan M. Newmark, Chmn, PP1:Jan 63:37:3399
Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division, C.H. Oglesby, Chmn, CO1:Mar 63:73:3456
ASEE holds annual meeting in Philadelphia, CE:Aug 63:43
The Challenge of Continuing Technical Excellence, Bengt F. Friberg, PP1:Jan 63:1:3381
Civil Engineering Education--Some Vital Issues, G. Brooks Earnest, CE:Feb 63:52
Dsc: C.C. Johnston, CE:Apr 63:61; C.R.
Civil Engineering Education...What Educators and Employers Think, Chester A. Moore, CE:Dec 63:64
Continuing Education-A Professional Imperative, Roy M. Green, PP1:Jan 63:93:3403
Dsc on ASCE publications for universities in emerging countries; where to send copies, CE:Aug 63:62
Dsc requesting engineering problems, Newman A. Hall, CE:Jun 63:69
Education Requirements in Surveying and Geodesy, Carl I. Aslakson, SU1:Feb 63:53:3427
EJC report deplores high student attrition, CE:Jun 63:72
EJC studies salaries of engineering teachers, CE:Aug 63:75
EUSEC "Report on Education and Training of Professional Engineers" available through ASCE, CE:Dec 63:76

EDUCATION Continued
Forefront of Civil Engineers of Tomorrow, Shu-t'ien Li, PP1:Jan 63:23:3397
For Planning Engineers--Big Opportunities Ahead, C.E. Perkins, CE:Oct 63:48
Frederic J. Frisbie appointed executive director of Junior Engineering Technical Society, Inc., CE:Nov 63:76
Freshman engineering enrollments drop, CE:Jan 63:61
Geodetic Engineering Education in West Germany, Milton O. Schmidt, SU1:Feb 63:45:3425
Impact of the Computer on the Young Engineer, Elmer K. Timby, PP1:Jan 63:31:3398
Man-Machine Communication in Civil Engineering, C.L. Miller, ST4:Aug 63:5:3594
MIT has alumni center in United Engineering Center, CE:Nov 63:49
Michigan State University has new engineering building, CE:Feb 63:72
Princeton Program Prepares Engineers for Policy-Making Positions, David P. Billington and Norman J. Sollenberger, CE:Apr 63:42
Correction by authors, CE:Jun 63:69
Professional Development of the Young Engineer, Rodney W. Johnson, PP1:Jan 63:9:3383
Research and Civil Engineering Education, Nathan M. Newmark, TR:128V:1:3435
Role of Surveying in Civil Engineering Education, Milton O. Schmidt, SU1:Feb 63:27:3420
Summer institutes on protective construction, CE:Feb 63:71
U.S. has largest number of educational exchanges, CE:Aug 63:85

EFFLUENTS
Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733

ELASTIC FOUNDATION
Eigen-Matrix Method for Beams and Plates, Bennosuke Tanimoto, ST5:Oct 63:173:3681

ELASTICITY
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
Arch Dam Analysis with an Electric Analog Computer, Richard H. MacNeal (with discussion), TR:128I:168:3403
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665
Buckling of Circular Arches Under Nonuniform Pressure, G. Wempner and T. Ewbank, EM4:Aug 63:17:3597
Damping in Discrete Linear Elastic Systems, D.A. DaDeppo, EM2:Apr 63:13:3472
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3:May 63:103:3514
Determination of Elastic Critical Loads, Leonard K. Stevens and Lewis C. Schmidt, ST6:Dec 63:137:3723
Dynamic Analysis of Inelastic Multi-Degree Systems, A.C. Heidebrecht, J.F. Fleming, and S.L. Lee, EM6:Dec 63:193:3730
Dynamic Bending of Elastic Columns, Herbert R. Bailey, ST4:Aug 63:95:3585
Dynamic Response of Elastic-Viscous-Plastic Columns, Cheng Y. Yang, Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541
Dynamic Stresses in an Elastic Cylinder, C.C. Mow and W.L. McCabe, EM3:Jun 63:21:3540
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Elastic Plates on a Liquid Foundation, Arnold D. Kerr, EM3:Jun 63:59:3542
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408
Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446
Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
Large Deflections of Plates on Elastic Foundations, S.N. Sinha, EM1:Feb 63:1:3416
Layered Systems Subjected to Surface Shears, R.A. Westmann, EM6:Dec 63:177:3725
Method for Plastic Design of Frames, George J. Megarefs and Philip G. Hodge, Jr., ST1:Feb 63:197:3421
Stability of Equilateral Triangular Plates, William A. Bradley, EM1:Feb 63:37:3426
Structural Analysis of Solids, Robert J. Melosh, ST4:Aug 63:205:3593
Thermoelasticity of Heterogenous Aeolotropic Plates, Yehuda Stavsky, EM2:Apr 63:89:3486

ELECTRONIC COMPUTATION
Electronic Surveys in New Brunswick, Gottfried Konecny and Willis F. Roberts, SU3:Oct 63:17:3666

ELECTRONICS
Electronic Surveying: Accuracy of Electronic Positioning Systems, Henry W. Bigelow, SU3:Oct 63:37:3670
Electronic Surveying: Electronic Distance Measurements, A.E. Harrison, SU3:Oct 63:97:3672

EMPLOYMENT
Returns from 1963 ASCE Employment Survey Reported, CE:Sep 63:40

ENERGY
Buckling of Stepped Columns with Rotated Ends, Robert E. Sennett, III, and Sidney Shore, ST1:Feb 63:165:3415

ENERGY Continued
Energy Relationships in Plastic Steel Structures, B. Rawlings, TR:128II:578:3480
Estimating Evapotranspiration from Solar Radiation, Marvin E. Jensen and Howard R. Haise, IR4:Dec 63:15:3737
Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468
Free Energy as a Parameter in Biological Treatment, J.A. Servizi and R.H. Bogan, SA3: Jun 63:17:3539
Free Vibrations of Fluid-Filled Cylindrical Shells, Melvin L. Baron and Richard Skalak, TR:128I:1092:3469
Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR: 128IV:56:3410
Philosophy of Engineering Design of Structures, Malcolm S. Gregory, ST6:Dec 63:119:3722

ENGINEERING FOUNDATION
Gets $250,000 endowment, CE:Mar 63:75
Officers elected, CE:Jul 63:44
Urban Transportation Research Conference to be held at Andover, N.H., CE:Jul 63:65

ENGINEERING MECHANICS
Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6: Dec 63:97:3729
Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724
Analytic Methods in Transportation: Operations Research in Tunnel Traffic Control, Leslie C. Edie, EM6:Dec 63:15:3716
Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734
Analytic Methods in Transportation: Systems Analysis for Arterial Street Operation, Charles Pinnell and Gilbert T. Satterly, Jr., EM6:Dec 63:67:3728
Arch Dam Analysis with an Electric Analog Computer, Richard H. MacNeal (with discussion), TR:128I:168:3403
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17: 3665
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445
Buckling of Circular Arches Under Nonuniform Pressure, G. Wempner and T. Ewbank, EM4:Aug 63:17:3597
Buckling of Thin Shells Under External Pressure, A.E. Armenakas and G. Herrmann, EM3: Jun 63:131:3552
Consistent Approximations in Shell Theory, Placido Cicala, TR:128I:1203:3479
Damping in Discrete Linear Elastic Systems, D.A. DaDeppo, EM2:Apr 63:13:3472
Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161: 3721
Dynamic Analysis of Inelastic Multi-Degree Systems, A.C. Heidebrecht, J.F. Fleming, and S.L. Lee, EM6:Dec 63:193:3730
Dynamic Stresses in an Elastic Cylinder, C.C. Mow and W.L. McCabe, EM3:Jun 63:21:3540
Dynamic Response of Elastic-Viscous-Plastic Columns, Cheng Y. Yang, Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541
Dynamic Response of Lattice-Type Structures, Bruce E. Berger and Sidney Shore, EM2:Apr 63:47:3484
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
Elastic Plates on a Liquid Foundation, Arnold D. Kerr, EM3:Jun 63:59:3542
Elastic Rayleigh Wave Motions Due to Nuclear Blasts, Melvin L. Baron and Ronald Check, EM1:Feb 63:57:3432
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408
Engineering Derivation of the Navier-Stokes Equations, H.A. Einstein, EM3:Jun 63:1:3533
Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anatharamu, EM6:Dec 63:139:3720
Flow Graphs in Structural Analysis, Kurt H. Gerstle (with discussion), TR:128II:169:3406
Fracture of Plain Concrete, Joseph Glucklich, EM6:Dec 63:127:3715
Free Vibrations of Fluid-Filled Cylindrical Shells, Melvin L. Baron and Richard Skalak, TR:128I:1092:3469
Groups of Vertical Cylinders Oscillating in Water, A.D.K. Laird and R.P. Warren, EM1: Feb 63:25:3422
Interpretation of Moiré Patterns, A.J. Durelli, C.A. Sciammarella and V.J. Parks, EM2:Apr 63:71:3485
Large Deflections of Plates on Elastic Foundations, S.N. Sinha, EM1:Feb 63:1:3416
Layered Systems Subjected to Surface Shears, R.A. Westmann, EM6:Dec 63:177:3725
Limit Analysis of Cylindrical Shells, R.E. Ball and S.L. Lee, EM3:Jun 63:73:3544
Matrix Division, G. Kostro, EM3:Jun 63:9: 3538
Mechanics of Crack Arrest in Concrete, James P. Romualdi and Gordon B. Batson, EM3:Jun 63:147:3558
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481
Membrane Analysis of Shells, Donald L. Dean, EM5:Oct 63:65:3682
Method of Internal Constraints and its Application, Enrico Volterra, TR:128I:509:3429
Minimum-Weight Design of Beams for Deflection, Ralph L. Barnett, TR:128I:221:3411
Mixing of a Turbulent Wall-Jet into a Free-Stream, S. Eskinazi and V. Kruka, TR:128I: 1055:3463
Model Prediction of Fracture Due to Explosions, Charles W. Martin and Glenn Murphy, EM2:Apr 63:133:3491
Moving Step-Load on Half-Space of Granular Material, H.H. Bleich and E. Heer, EM3:Jun 63:97:3551

ENGINEERING MECHANICS Continued
Natural Periods of Vibration of Buildings, G.W. Housner and A.G. Brady, EM4:Aug 63:31:3613
Natural Vibrations of Partially Clamped Plates, Muneaki Kurata and Hirokazu Okamura, EM3: Jun 63:169:3561
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop; Francis H. Ree, Taikyue Ree, and Henry Eyring; B.L. Averbach (with discussion), TR:128I:1319: 3488
Principle of Virtual Work in Structural Analysis, Frank L. DiMaggio (with discussion), TR:128II:183:3407
Rigid-Plastic Analysis of General Structures, J.B. Martin, EM2:Apr 63:107:3488
Stability in a Continuously Stratified Fluid, Philip G. Drazin and Louis N. Howard, TR:128I:849:3447
Stability of Equilateral Triangular Plates, William A. Bradley, EM1:Feb 63:37:3426
Steady Creep of a Nonhomogeneous Plate, J.L. Sackman, TR:128I:1255:3484
Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436
Strong Shock Formation in Bilinear Hardening Media, Samuel Sutcliffe, EM2:Apr 63:1:3471
Thermoelasticity of Heterogenous Aeolotropic Plates, Yehuda Stavsky, EM2:Apr 63:89:3486
Transient Response of Nonlinear Systems, P.F. Cuniff, EM2:Apr 63:19:3474
Transverse Normal Stress in Beams, J.L. Sackman, EM4:Aug 63:13:3590
Turbulent Diffusion and Anemometer Measurements, Lionel V. Baldwin and William R. Mickelsen (with discussion), TR:128I:1595:3507
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR:128I:897:3450
Variational Methods in Fluid Dynamics, J.W. Delleur and A.A. Sooky (with discussion), TR:128I:794:3444
Vibration of Circular Plates at Large Amplitudes, Thein Wah, EM5:Oct 63:1:3663
Vibrations of Linearly Tapered Cantilever Beams, G.W. Housner and W.O. Keightley (with discussion), TR:128I:1020:3461
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451
Yielding at Varying Load Rates, A.M. Digioia, Jr., and R.G. Crum, TR:128I:1119: 3470

ENGINEERING SOCIETIES LIBRARY
Reports on first year in United Engineering Center, CE:Feb 63:61
Use of is growing, CE:Jan 63:65

ENGINEERS AND ENGINEERING
The Challenge of Continuing Technical Excellence, Bengt F. Friberg, PP1:Jan 63:1:3381
Continuing Education-A Professional Imperative, Roy M. Green, PP1:Jan 63:93:3403
Dsc on importance of naming the engineers in descriptive articles, Lev Zetlin, CE:Aug 63:63
Dsc on summer in the Scandinavian countries, Harold T. Larsen, CE:Sep 63:63
An Engineer Goes Abroad, Edmund B. Besselievre, CE:Dec 63:17
First Peace Corps Surveyors and Engineers, R.C. Brinker, SU2:Jun 63:13:3536
Forefront of Civil Engineers of Tomorrow, Shu-t'ien Li, PP1:Jan 63:23:3397
Impact of the Computer on the Young Engineer, Elmer K. Timby, PP1:Jan 63:31:3398
An Impression of the Technical Division Activity in ASCE, Annual Address at the Conference, Milwaukee, Wisconsin, May 15, 1963, Edmund Friedman, TR:128V:101:3522
An Indoctrination Ritual for Engineers, W.H. Wisely, CE:Aug 63:33
Dsc: H.L. Johnson, E.F. Bespalow, E.V. Hunt, T.C. Kenney, L.W. Crump, R.D. Henderson, CE:Oct 63:60
Professional Development of the Young Engineer, Rodney W. Johnson, PP1:Jan 63:9:3383
The Professional Engineer and His Values, Robert F. Garfoot and J. Richard Simon, PP1: Jan 63:15:3395
Research and the Professional Society, Arthur T. Ippen (with discussion), TR:128V:92:3506
Role of Surveying in Civil Engineering Education, Milton O. Schmidt, SU1:Feb 63:27:3420
Surveyors' Footsteps, W.C. Wattles, SU3: Oct 63:1:3659

ENGINEERS IN PUBLIC LIFE
ASCE member, Edgar Foreman, in U.S. Congress, CE:Apr 63:79
Princeton Program Prepares Engineers for Policy-Making Positions, David P. Billington and Norman J. Sollenberger, CE:Apr 63:48
Correction by authors, CE:Jun 63:69

ENGINEERS JOINT COUNCIL
Aids in forming National Engineering Academy, CE:Jun 63:75
Engineering Salaries Up 60 Percent in Ten Years--EJC Survey, Carl Frey, CE:May 63:42
Issues directory of engineering societies, CE:Nov 63:76
Officers installed at annual meeting, CE:Feb 63:61
Report deplores high student attrition, CE:Jun 63:72
Reports need for more graduate fellowships, CE:Apr 63:66
Sponsors abstracting, indexing training course, CE:Aug 63:44
Studies salaries of engineering teachers, CE:Aug 63:75
Survey by Engineering Manpower Commission shows drop in freshmen enrollment, CE:Jan 63:61
Surveys demand for engineering manpower, CE:Dec 63:42

ENVIRONMENTAL ENGINEERING
Adverse Weather--Its Effect on Engineering Design and Construction, dry cold conditions, Palmer W. Roberts, CE:May 63:50
ASCE Board of Direction issues statement on environmental design, CE:Nov 63:49
ASCE collaborates in forming interprofessional commission on environmental design, CE:Nov 63:76

ENVIRONMENTAL ENGINEERING Continued
Environmental Engineering Conference, Atlanta, Feb. 25-28: Program, CE:Jan 63:55; Feb 63:42; Apr 63:40
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609

EROSION
Cavitation in Hydraulic Structures: Mechanics of Cavitation, HY3:May 63:251:3530
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Mechanical Bypassing of Littoral Drift at Inlets, George M. Watts, TR:128IV:178:3455
Sediment in Small Reservoirs Due to Urbanization, Harold P. Guy and George E. Ferguson, TR:128I:982:3457
Stabilization of Fivemile and Muddy Creeks, C.R. Miller and W.M. Borland, HY1:Jan 63:67:3392
Wave Action at Spillways, Mohamed Mokhles Abou-Seida, HY3:May 63:133:3518

ESTIMATES
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

ESTUARIES
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680

ETHICS
Corporate practice in NCSBEE Model Law, CE:May 63:45
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635
See also, ASCE (Ethics, Code of)

EVAPORATION
California--Evaporation from a Covered Reservoir at Stanford University, Joseph B. Franzini and David W. Hill, CE:May 63:35

EXPLOSIVES
Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3458
Kariba Left Bank Cofferdam, Jean J. Martin, CO1:Mar 63:33:3454

FAILURES
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3:May 63:103:3514
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209:3434
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboules, ST1:Feb 63:179:3419
Dynamic Pressure of Granular Material in Deep Bins, Alexander M. Turitzin, ST2:Apr 63:49:3479
Study of Failure Envelope of Soils, T.H. Wu, A.K. Loh, and L.E. Malvern, SM1:Feb 63:145:3430

FAIRS AND EXPOSITIONS
Germany--Aluminum Pavilion at Hanover Fair wins international award, CE:Jun 63:81
New York--GE's World's Fair Pavilion Solves Display Problems, Stanley A. Graves, CE:Aug 63:45
New York--monorail for New York World's Fair, CE:Jun 63:84; Sep 63:81
New York Port Authority Fair building, contract let, CE:Jan 63:74
New York--roads to New York's World Fair, staff article, CE:Nov 62:32
Dsc: Wm. M. Sheehan, CE:Jan 63:53
New York--Roof raised at New York State's Fair Pavilion, CE:Dec 63:91
New York--U.S. pavilion at World's Fair features unique design, CE:Mar 63:89; topped out, Oct 63:90
New York--World's Fair 1964-1965, Building Trends, William Whipple, Jr., CE:May 63:36
Dsc: L. Zetlin, CE:Aug 63:63

FAILURES
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II:896:3520

FELLOWSHIPS AND SCHOLARSHIPS
EJC reports need for more graduate fellowships, CE:Apr 63:66
World Health Organization offers short-term traveling fellowships, CE:Dec 63:88

FERRIES
Delaware--Delaware Bay ferry service planned, CE:Aug 63:87

FILLS
Tennessee--Failure of a Side-Hill Highway Fill, William H. Rowan, Thomas R. Pierce, and Roger Webb, CE:May 63:40

FILTERS
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384

FILTRATION
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384
Trickling Filtration Design and Performance, W. Wesley Eckenfelder, Jr. (with discussion), TR:128III:371:3510

FINANCING
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, Nathan M. Newmark, Chmn, PP1:Jan 63:37:3399
Colombia, S.A.--International Credit for Andean Hydro, S.P. McCasland, CE:Jan 63:36
Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622
Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
Operations Research in Construction Planning, Robert L. Nicholls, CO2:Sept 63:59:3640

FIRE PROTECTION
Fire Protection for Aluminum Alloy Structural Shapes, J.G. Kaufman and R.C. Kasser, CE:Mar 63:46

FISHWAYS
Oregon--Round Butte Dam fishways, CE:Jan 63:54

FLOCCULATION
Effect of Paddle Design on Flocculation, Neil L. Drobny, SA2:Apr 63:17:3480
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384

FLOOD CONTROL
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63:67:3702
Hydraulics of Gravity Wells in Sloping Sands, Mahdi S. Hantush (with discussion), TR:128I:1423:3500
Iowa--Flood-Plain Zoning Ordinance Adopted by Iowa City, J.W. Howe, CE:Apr 63:39
Dsc: E.B. Mansur, CE:Jun 63:68

FLOODS (General)
Analog Models for Flood Control Systems, TR:128I:993:3458
Extension of Rating Curves by Field Surveys, Walter T. Sittner, HY2:Mar 63:1:3444
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63:67:3702
Flood Waves in Prismatic Channels, F.M. Henderson, HY4:Jul 63:39:3568
Short Cuts in Hydrology, Arthur I. McCutchan, HY3:May 63:203:3522
Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689

FLOORS
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and William G. Mooney, TR:128II:629:3487
Limit Design of Crossed Steel Beams, Aron Zaslavsky (with discussion), TR:128II:431:3456
Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436
Vibration Analysis for Structural Floor Systems, Lawrence R. Burkhardt (with discussion), TR:128II:290:3438

FLUMES
Regime Criteria for Alluvial Streams, R.J. Garde and K.G. Ranga Raju, HY6:Nov 63:153:3705
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
Terminal Shape of a Shallow Liquid Front, E.Roy Tinney and D.L. Bassett (with discussion), TR:128I:609:3433
Unification of Parshall Flume Data, Sydney Davis (with discussion), TR:128III:399:3511

FOLDED PLATES
Phase I Report on Folded Plate Construction: Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, Robert E. Fulton, Chmn, ST6:Dec 63:365:3741

FOOTINGS
Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698

FORECASTS
1964 Previews, Frank Schneller, CE:Dec 63:32

FOREIGN ENGINEERING
Australia--Machine Tunneling in Tasmania, Henry H. Thomas, CE:Mar 63:60
Chile--Photogrammetry for Reconstruction and National Development, Staff of Proyecto Aerofotogrametrico, CE:Jun 63:58
Colombia, S.A.--International Credit for Andean Hydro, S.P. McCasland, CE:Jan 63:36
Colombia, S.A.--Placing Earth Fill for Troneras Dam, C.Y. Li, CE:Feb 63:37
Dsc, Overseas jobs for U.S. construction personnel, George E. Fischer, CE:Jul 63:62
Egypt--underwater viewing proposed for Abu Simbel, CE:May 63:73
Egypt--U.S. supports plan to preserve Abu Simbel, CE:Aug 63:86
An Engineer Goes Abroad, Edmund B. Besselievre, CE:Jan 63:17
Dsc: S. Prakash, CE:Jun 63:69
The European Common Market, E.E. Halmos, Jr., CE:Jan 63:24
Exporting Consulting Engineering, K.L. Kollar, CE:Jul 63:58
Germany--Utilities for the Divided City of Berlin, Gustav J. Requardt, CE:Jan 63:46
Holland--Pontoon derrick at work on Europe's longest bridge over Eastern Schelde River, CE:Oct 63:92
India--Nehru dedicates Bhakra Dam, CE:Dec 63:88

FOREIGN ENGINEERING Continued
India's largest power plant taking shape, CE:Jul 63:80
International Relationships in Engineering, William H. Wisely, CE:Jun 63:31
Dsc: C.H.D. Harper, CE:Sep 63:63; Ramiro Parada, Oct 63:60; R.E. Coughlin, Nov 63:73
Italy to start work on three expressways, CE:Sep 63:83
Mexico--A New Development Project for Mexico City, Romeo Enriquez R. and Alejandro Fierro, CE:Jun 63:36
Dsc: R. Enriquez R., CE:Sep 63:64
Ninth Highway Congress follows tour of Inter-American Highway, CE:Jul 63:77
Nylon Used in Hydraulic Engineering, J.P.A. Van Lookeren Campagne, CE:Jan 63:31
Thailand starts big road program, CE:May 63:74
Translations of Foreign Literature on Hydraulics: Fifth Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics of the Hydraulics Division, ASCE, Jan C. Van Tienhoven, Chmn, HY1:Jan 63:59: 3391
USSR--Construction Boom, James K. Carr, CE:Mar 63:39
USSR--Dsc by Robert Schumacher on engineering interest in a Moscow street scene, CE:Mar 63:70
USSR--Volga-Baltic Canal to be replaced, CE:Dec 63:88
See also Consulting Practice

FOUNDATIONS
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Bearing Capacity of Piles in Cohesionless Soils, R.L. Nordlund, SM3:May 63:1:3506
Computer Study of Dynamic Behavior of Piling, Charles H. Samson, Jr., Teddy J. Hirsch, and Lee L. Lowery, Jr., ST4:Aug 63:413:3608
Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3453
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698
Effect of Local Loss of Support on Foundation Design, F.E. Richart, Jr., and P. Zia (with discussion), TR:128I:1149:3476
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
Illinois--Timber Piles Reused in Place for Chicago Garage, Eugene A. Dubin, CE:Jun 63:39
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498
Installation Problems with Cast-in-Place Concrete Piles, Michael Praszker, CE:Mar 63:50
Large Deflections of Plates on Elastic Foundations, S.N. Sinha, EM1:Feb 63:1:3416
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3: May 63:63:3509
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2: Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57: 3700
Metal Work Design of High Intensity Radiation Cells, John M. Ruddy, TR:128II:568:3473
Mexico--A New Development Project for Mexico City, Romeo Enriquez R. and Alejandro Fierro, CE:Jun 63:36
Dsc: R. Enriquez R., CE:Sep 63:64
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406
New York--Pretest Tiebacks and Drilled-In Caissons for Retaining Wall in Syracuse, Robert E. White, CE:Apr 63:36
Dsc: O.C. Mann, praising article, CE:Jun 63:69
Non-Destructive Testing in Civil Engineering, C.W. Britzius, CE:Jan 63:21
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3: Jun 63:107:3559
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Pile Spacing for Retaining-Wall Foundations, K.R. Patel, CE:Dec 63:43
Pore Pressures in a Foundation Clay, T. William Lambe (with discussion), TR:128I:865: 3448
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Spencer, Rodio & Soletanche, Inc., will specialize in foundations, CE:Sep 63:81
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1: Apr 63:57:3497
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635
See also Soil Mechanics

FRAMES
Analysis of Arch Frames, F.P. Wiesinger, S.L. Lee, and D.L. Guell, ST5:Oct 63:15:3660

FRAMES Continued
Analysis of Multi-Span, Gable Frames, John R. Harris (with discussion), TR:128II:755:3494
Analysis of Rigid Frames by Difference Equations, Hsien-San Tsang, ST2:Apr 63:127:3499
Columns in Planar Continuous Structures, M. Ojalvo, and V. Levi, ST1:Feb 63:1:3408
Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717
Determination of Elastic Critical Loads, Leonard K. Stevens and Lewis C. Schmidt, ST6:Dec 63:137:3723
Dynamic Flexibility Matrix Analysis of Frames, K.W. Levien and B.J. Hartz, ST4:Aug 63:515:3612
Eigen-Matrix Method for Beams and Plates, Bennosuke Tanimoto, ST5:Oct 63:173:3681
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649
Iterative Method in Frame Analysis, Paul Lustgarten, ST2:Apr 63:75:3481
Large Capacity of Multistory Frame Analysis Programs, Ray W. Clough, Edward L. Wilson, and Ian P. King, ST4:Aug 63:179:3592
Limit Analysis of Grid Frameworks, F.S. Shaw, ST5:Oct 63:1:3658
Matrix Analysis of Semi-Rigidly Connected Frames, G.R. Monforton and T.S. Wu, ST6:Dec 63:13:3713
Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532
Method for Plastic Design of Frames, George J. Megarefs and Philip G. Hodge, Jr., ST1:Feb 63:197:3421
Moment Coefficients for Frame Analysis, F.P. Wiesinger, S.L. Lee and J.F. Fleming, ST6:Dec 63:1:3712
Nonlinear Behavior of Structural Plane Frames, S.A. Saafan, ST4:Aug 63:557:3615
Rigid-Plastic Analysis of General Structures, J.B. Martin, EM2:Apr 63:107:3488
Simplified Formulation of Stiffness Matrices, Peter M. Wright, ST2:Apr 63:33:3478
Stability of Frames Under Primary Bending Moments, Le-Wu Lu, ST3:Jun 63:35:3547
Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63:537:3614
Zero Sidesway Axis of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662

FRICTION
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr. (with discussion), TR:128I:949:3452
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV:347:3496
Correlation of Future Vehicle and Highway Design, Kenneth A. Stonex, TR:128IV:302:3483
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Turbulent Flow in Rectangular Ducts, Hans J. Leutheusser, HY3:May 63:1:3508
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502

FRICTION COEFFICIENTS
Mixing of a Turbulent Wall-Jet into a Free-Stream, S. Eskinazi and V. Kruka, TR:128I:1055:3463

GAGES
Securing More Nearly True Precipitation Measurements, Leonard L. Weiss, HY2:Mar 63:11:3446
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1:Feb 63:1:3428

GAGES, STRAIN
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406

GAGES, STREAM
Streamflow Records by Digital Computer, E.J. Kennedy, IR3:Sept 63:29:3625

GARAGES
Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425

GEODESY
Education Requirements in Surveying and Geodesy, Carl I. Aslakson, SU1:Feb 63:53:3427
Geodetic Engineering Education in West Germany, Milton O. Schmidt, SU1:Feb 63:45:3425
Geodesy and the Torsion Balance, Ivan I. Mueller, SU3:Oct 63:123:3678

GEODETICS
Scintillation and the Surveyor, Lee D. Miller, SU1:Feb 63:13:3417

GEOLOGY
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Influence of Geological Conditions on Uplift, W. Harold Stuart (with discussion), TR:128I:765:3443
International Conference on State of Stress in the Earth's Crust will be held in California, CE:Mar 63:90
Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531
Oahe Dam: Geology, Embankment, and Cut Slopes, Donald K. Knight, SM2:Mar 63:99:3466
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423

GIRDERS
Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649

GIRDERS Continued
Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63: 159:3726
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II: 653:3489

GOVERNMENT
The Professional Engineer and His Values, Robert F. Garfoot and J. Richard Simon, PP1: Jan 63:15:3395
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

GROUND WATER
Conjunctive Operation of Dams and Aquifers, N. Buras, HY6:Nov 63:111:3697
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Factors Affecting the Safe Yield of Ground-Water Basins, John F. Mann, Jr. (with discussion), TR:128II:180:3434
Ground Water in Texas, Mervin L. Klug, HY3:May 63:153:3519
Hydraulics of Gravity Wells in Sloping Sands, Mahdi S. Hantush (with discussion), TR:128I: 1423:3500
Hydrogeologic Electric Analog Computer, William C. Walton and Thomas A. Prickett, HY6:Nov 63:67:3695
Intruded Salt-Water Wedge in Porous Media, R.R. Rumer, Jr., and D.R.F. Harleman, HY6:Nov 63:193:3707
Mechanics of a Mathematical Ground-Water Model, Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63: 165:3706
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Symposium on transient ground water held at Colorado State University, July 25-27, CE:Sep 63:80
Theoretical and Practical Aspects of Well Recharge, Paul Baumann (with discussion), TR:128I:739:3442
Unsteady Flow of Ground Water into Drain Tile, R.H. Brooks (with discussion), TR:128III: 117:3420
Water Table Fluctuations Induced by Irrigation, Marinus Maasland, TR:128III:142:3223

GROUTING
Bibliography on Cement Grouting: Progress Report of the Committee on Grouting of the Soil Mechanics and Foundations Division, Judson P. Elston, Chmn, SM4:Jul 63:45:3575
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63: 67:3418
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
Seepage Under Dams, Hammad Y. Hammad, SM4:Jul 63:25:3570

HARBORS (General)
Berthing and Mooring Forces, Glen B. Woodruff, (with discussion), TR:128IV:376:3504
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV: 347:3496
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63: 15:3523
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV: 195:3465
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR:128IV:56:3410
Mechanical Bypassing of Littoral Drift at Inlets, George M. Watts, TR:128IV:178:3455
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1: Feb 63:1:3428
Stable Concrete Blocks on Rubble-Mound Breakwaters, S. Nagai, TR:128IV:227:3474

HARBORS (Geographical)
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
Hurricane Studies of New York Harbor, Samuel Gofseyeff and Frank L. Panuzio (with discussion), TR:128IV:394:3505
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR:128IV:56:3410

HEALTH
U.S. Public Health Service develops examinations for radiological health specialists, CE:May 63:74

HELICOPTERS
Large helicopter for commercial use, CE:Feb 63:70

HIGHWAY RESEARCH BOARD
See Highways

HIGHWAYS
Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724
Analytic Methods in Transportation: Systems Analysis for Arterial Street Operation, Charles Pinnell and Gilbert T. Satterly, Jr., EM6:Dec 63:67:3728

HIGHWAYS Continued
Bureau of Public Roads initiates research and development program, CE:Feb 63:72
California--Paving Interstate 80 in the Sierra Nevada, Alan S. Hart, CE:Nov 63:62
Construction costs in second quarter, CE:Sep 63:81
Dsc, Leon E. Venegas, CE:Sep 63:64, re comments in Byline Washington on Inter-American Highway in Costa Rica, CE:Apr 63:76
Highway Research Board holds annual meeting, CE:Feb 63:70
Italy to start work on three expressways, CE:Sep 63:83
New Hampshire--Flexible Pavement for Interstate Route, Daniel S. Bailey, Jr. CE:Jan 63:44
New York--roads to New York's World Fair, CE:Nov 62:32
Dsc: Wm. M. Sheehan, CE:Jan 63:53
Ninth Highway Congress follows tour of Inter-American Highway, CE:Jul 63:77
Numbering system for Interstate Highway, CE:Aug 63:86
Pennsylvania automates its highway map reading, CE:Dec 63:90
Rail Transit in the Highway Median--Yes or No?, Joseph Barnett, CE:Jan 63:34
Road show, Chicago 1963, staff article, CE:Apr 63:32
Road Show Features New Equipment, H.A. Radzikowski, CE:Feb 63:32
South Dakota--Lime Stabilizes Shale Subgrade on Interstate Highway, Richard O. Berg and Charles A. Piper, Jr., CE:Sep 63:35
Tennessee--Failure of a Side-Hill Highway Fill, William H. Rowan, Thomas R. Pierce, and Roger Webb, CE:May 63:40
Texas--tire-proving ground to parallel Pan American Highway, CE:May 63:75
See also Pavements

HIGHWAYS, COSTS
Highway building costs rise in third quarter, CE:Dec 63:91

HIGHWAYS AND ROADS (General)
Auto Trips to the Central Business District, John A. Dearinger, TR:128IV:278:3482
Capacity of Urban Transportation Modes, Walter S. Rainville and Wolfgang S. Homburger, HW1:Apr 63:37:3489
Correlation of Future Vehicle and Highway Design, Kenneth A. Stonex, TR:128IV:302:3483
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Length of Culverts, K.R. Patel, HW1:Apr 63: 27:3482
New Concepts for Urban Freeway Interchanges, Donald W. Loutzenheiser (with discussion), TR:128IV:332:3492
Properties of Roadbeds, Ira B. Mullis, HW1: Apr 63:81:3500
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1:Apr 63: 57:3497
Traffic Behavior and Freeway Ramp Design, Charles Pinnell and Charles J. Keese (with discussion), TR:128IV:1:3396
Vertical Curve Plotting, James W.O. Baker, HW1:Apr 63:1:3476

HIGHWAYS, SIGNS AND SIGNALS
Drive for uniform road signs progressing, CE:Nov 63:93

HISTORY OF ENGINEERING
Maryland--Reconstructing a Covered Timber Bridge in Baltimore County, Albert S. Salkowski, CE:Oct 63:36
New York--(Erie Canal) Engineering Clinton's Ditch, Albert C. Jensen, CE:Sep 63:48

HOUSING
High-Rise Concrete Buildings, David Bloom, CE:Aug 63:57
Dsc, Walter H. Wheeler, CE:Dec 63:68
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627

HURRICANES
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
Hurricane Studies of New York Harbor, Samuel Gofseyeff and Frank L. Panuzio (with discussion), TR:128IV:394:3505
Investigation of the Statistics of Wave Heights, R.C. Goodknight and T.L. Russell, WW2:May 63:29:3524

HYDRAULIC JUMP
Submerged Hydraulic Jump, N.S. Govinda Rao and N. Rajaratnam, HY1:Jan 63:139:3404
Wave Action at Spillways, Mohamed Mokhles Abou-Seida, HY3:May 63:133:3518

HYDRAULICS
Accuracy of Current Meter Measurements, Rolland W. Carter and Irving E. Anderson, HY4: Jul 63:105:3572
Analog Models for Flood Control Systems, TR:128I:993:3458
Analysis of Relief Bridge Scour, Emmett M. Laursen, HY3:May 63:93:3516
ASCE defends title of "Hydraulic Engineer," CE:Oct 63:74
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
Bibliography on the Hydraulic Design of Spillways: Progress Report of the Task Force on Hydraulic Design of Spillways of the Committee on Hydraulic Structures of the Hydraulic Division, S.M. Barnes, Chmn, HY4:Jul 63:117: 3573
Boundary Flow Along a Circular Cylinder, R.O. Reid and Basil W. Wilson, HY3:May 63: 21:3512
Calculated Risks of Impounding Reservoir Yield, John B. Stall and James C. Neill, HY1: Jan 63:25:3385
Cavitation in Hydraulic Structures: Mechanics of Cavitation, HY3:May 63:251:3530
Cavitation in Hydraulic Structures: Problems Created by Cavitation Phenomena, Fred R. Brown, HY1:Jan 63:99:3393

HYDRAULICS Continued
Cavitation in Hydraulic Structures: Scale Effects Involved in Cavitation Experiments, J.M. Robertson, HY3:May 63:167:3520
Channel Stability in Undisturbed Cohesive Soils, Elliot M. Flaxman, HY2:Mar 63:87:3462
Conjunctive Operation of Dams and Aquifers, N. Buras, HY6:Nov 63:111:3697
Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646
Critical Flow in Terms of Hydraulic Equivalents, Francis S.Y. Lee (with discussion), TR:128III:470:3515
Design Hydrographs for Small Watersheds in Indiana, I-Pai Wu, HY6:Nov 63:35:3694
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
Design Waves for Littoral Drift Models, R. Silvester, WW3:Aug 63:37:3620
Diffraction of Waves by Semi-Infinite Breakwater, R.L. Wiegel (with discussion), TR:128I: 1181:3477
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Dsc on the need for a uniform nomenclature in hydraulics, Clifford A. Betts, CE:Sep 63:65
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Drag Forces in Velocity Gradient Flow, Frank D. Masch and Walter L. Moore (with discussion), TR:128I:48:3394
Drainage Wells in Leaky Water-Table Aquifers, Mahdi S. Hantush, TR:128I:1005:3459
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Estimating Potential Evapotranspiration, W. Russell Hamon (with discussion), TR:128I:324: 3415
Estimating the Probable Maximum Precipitation, David M. Hershfield (with discussion), TR:128I:534:3431
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Experimental Apparatus Studies Sediment Transport in Closed Conduits, H.A. Einstein and W.H. Graf, CE:Oct 63:52
An Expression for Bed-Load Transportation, M. Selim Yalin, HY3:May 63:221:3525
Extension of Rating Curves by Field Surveys, Walter T. Sittner, HY2:Mar 63:1:3444
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR:128III:103:3419
Films offered by National Science Foundation, CE:Jan 63:74
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380
Flood Waves in Prismatic Channels, F.M. Henderson, HY4:Jul 63:39:3568
Flow Characteristics of Axisymmetric Expansions, M.C. Chaturvedi, HY3:May 63:61:3515
Forms of Bed Roughness in Alluvial Channels, D.B. Simons and E.V. Richardson (with discussion), TR:128I:284:3414
Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division, E. Silberman, Chmn, HY2:Mar 63:97:3464
Ground Water in Texas, Mervin L. Klug, HY3:May 63:153:3519
Hood Inlet for Closed Conduit Spillways, Fred W. Blaisdell (with discussion), TR:128I:1:3393
Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29: 3699
Hydraulic Design of Small Bridges, Alfred R. Pagan, CE:Jul 63:35
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Hydrogeologic Electric Analog Computer, William C. Walton and Thomas A. Prickett, HY6:Nov 63:67:3695
Hydro System Power Analysis by Digital Computer, David J. Lewis and Loren A. Shoemaker, TR:128I:1074:3466
Intruded Salt-Water Wedge in Porous Media, R.R. Rumer, Jr., and D.R.F. Harleman, HY6:Nov 63:193:3707
Jet Discharge into a Fluid with a Density Gradient, William E. Hart (with discussion), TR:128I:1358:3493
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
Manning's Formula for Wide Trapezoidal Channels, C.J. Posey and S.N. Pagay, CE:Mar 63:71
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517
Nylon Used in Hydraulic Engineering, J.P.A. Van Lookeren Campagne, CE:Jan 63:31
Projected Nappes Subject to Transverse Pressure, H. Ivan Schwartz and Louis P. Nutt, HY4: Jul 63:97:3571
Radial Collector Wells Adjacent to the River Bank, Miloje Milojevic, HY6:Nov 63:133:3704
Regime Criteria for Alluvial Streams, R.J. Garde and K.G. Ranga Raju, HY6:Nov 63:153: 3705
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63:165: 3706
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Securing More Nearly True Precipitation Measurements, Leonard L. Weiss, HY2:Mar 63:11:3446
Sediment-Transport Capability in Erodible Channels, Shieh-Wen Mao and Leonard Rice, HY4:Jul 63:69:3569
Sediment-Transporting Characteristics of Streams, G.A. Zernial and E.M. Laursen, HY1: Jan 63:117:3396
Scour at Bridge Piers (symposium): 1. Cause and Effect, Luigi Stabilini, CE:May 63:46; 2. Protection of Piers, C.J. Posey, May 63:48

HYDRAULICS Continued
Dsc: C.R. Neill, CE:Aug 63:63; A.R. Archer, Nov 63:72
Reply, L. Stabilini, CE:Aug 63:63
Sediment in Small Reservoirs Due to Urbanization, Harold P. Guy and George E. Ferguson, TR:128I:982:3457
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Short Cuts in Hydrology, Arthur I. McCutchan, HY3:May 63:203:3522
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567
Stability of Alluvial Channels, Francis M. Henderson (with discussion), TR:128I:657:3440
Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
The Submerged Hydraulic Jump, N.S. Govinda Rao and N. Rajaratnam, HY1:Jan 63:139:3404
Symposium on transient ground water held at Colorado State University, July 25-27, CE:Sep 63:80
Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
Terminal Shape of a Shallow Liquid Front, E. Roy Tinney and D.L. Bassett (with discussion), TR:128I:609:3433
Theoretical and Practical Aspects of Well Recharge, Paul Baumann (with discussion), TR:128I:739:3442
Total Sediment Transport in the Lower Colorado River, John R. Sheppard (with discussion), TR:128I:721:3441
Translations of Foreign Literature on Hydraulics: Fifth Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics of the Hydraulics Division, ASCE, Jan C. Van Tienhoven, Chmn, HY1:Jan 63:59:3391
Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689
Turbulent Diffusion and Anemometer Measurements, Lionel V. Baldwin and William R. Mickelsen (with discussion), TR:128I:1595:3507
Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491
Turbulent Flow in Rectangular Ducts, Hans J. Leutheusser, HY3:May 63:1:3508
Turbulent Flow with Suspended Particles, Mikio Hino, HY4:Jul 63:161:3579
Twelfth ASCE Hydraulics Division Conf., Aug. 6-9, '63, CE:Oct 63:73
Uniform Flow in a Shallow, Triangular Open Channel, Richard J. Wasley (with discussion), TR:128I:633:3437
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simons and Maurice L. Albertson (with discussion), TR:128I:65:3399
Valve Stroking to Control Water Hammer, Victor L. Streeter, HY2:Mar 63:39:3452
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502
Wave Action at Spillways, Mohamed Mokhles Abou-Seida, HY3:May 63:133:3518

HYDRODYNAMICS
Boundary Flow Along a Circular Cylinder, R.O. Reid and Basil W. Wilson, HY3:May 63:21:3512
Drag Forces in Velocity Gradient Flow, Frank D. Masch and Walter L. Moore (with discussion), TR:128I:48:3394
Free Vibrations of Fluid-Filled Cylindrical Shells, Melvin L. Baron and Richard Skalak, TR:128I:1092:3469
Groups of Vertical Cylinders Oscillating in Water, A.D. K. Laird and R.P. Warren, EM1:Feb 63:25:3422
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481
Mixing of a Turbulent Wall-Jet into a Free-Stream, S. Eskinazi and V. Kruka, TR:128I:1055:3463
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Stability in a Continuously Stratified Fluid, Philip G. Drazin and Louis N. Howard, TR:128I:849:3447
Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
Variational Methods in Fluid Dynamics, J.W. Delleur and A.A. Sooky (with discussion), TR:128I:794:3444

HYDROELECTRIC
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
Hydro System Power Analysis by Digital Computer, David J. Lewis and Loren A. Shoemaker, TR:128I:1074:3466

HYDROLOGY
ASCE Hydraulics Div. Committee recommends research in urban hydrology, CE:Aug 63:74
California--A Moving Boatline for River Flow Measurement at Sacramento, F.C. Craig and Winchell Smith, CE:Sep 63:43
Design Hydrographs for Small Watersheds in Indians, I-Pai Wu, HY6:Nov 63:35:3694
Design of Tile Drainage for Falling Water Tables, Jan van Schilfgaarde, IR2:Jun 63:1:3543
Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517
Securing More Nearly True Precipitation Measurements, Leonard L. Weiss, HY2:Mar 63:11:3446
Short Cuts in Hydrology, Arthur I. McCutchan, HY3:May 63:203:3522

ICE
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213: 3412

ILLINOIS
Analysis of Master Plan for Chicago O'Hare Airport, Martin A. Warskow and Howard C. Burns, AT2:Oct 63:1:3674

IMPACT
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR:128IV:56:3410

INCINERATION
Pennsylvania--Incinerator Program for Delaware County, R.J. Mitchell, CE:Jun 63:64
Dsc: P. Geertson, CE:Sep 63:64

INELASTIC STABILITY
Inelastic Lateral Buckling of Beams, Theodore V. Galambos, ST5:Oct 63:217:3683

INFORMATION RETRIEVAL
EJC sponsors abstracting, indexing training course, CE:Aug 63:44
The Hour of Destiny for Engineering, N.D. Lea, CE:Nov 63:70
See also ASCE (Information Retrieval)

INSPECTION
Cost of Operating a Field Construction Office, John D. Bristor, CO2:Sept 63:75:3643

INSTRUMENTS
Education Requirements in Surveying and Geodesy, Carl I. Aslakson, SU1:Feb 63:53:3427
Measuring the Precision of a Level, Sumner B. Irish, SU1:Feb 63:35:3424
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Streamflow Records by Digital Computer, E.J. Kennedy, IR3:Sept 63:29:3625

INSULATION
Vermiculite Insulating Concrete--Pumped and Sprayed, Clayford T. Grimm, CE:Nov 63:67

INSURANCE
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497

IRRIGATION (General)
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR:128III:162:3430
ASCE Irrigation and Drainage Division Specialty Conference in Los Angeles, Nov. 6-8: program, CE:Sep 63:66; Dec 63:40
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III: 349:3499
Contract awarded for The Dalles Project distribution system, CE:Nov 63:90
Critical Flow in Terms of Hydraulic Equivalents, Francis S.Y. Lee (with discussion), TR:128III:470:3515
Depth and Spacing of Tile Drain Systems, H.Y. Hammad (with discussion), TR:128III:535: 3517
Design of Metal Pipe for Use in Irrigation Structures, Darrell N. Blake, IR3:Sept 63:45: 3634
Desirable Features of Water Rights Laws, Dan S. Jones, Jr., IR4:Dec 63:1:3711
Drainage Wells in Leaky Water-Table Aquifers, Mahdi S. Hantush, TR:128I:1005:3459
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Estimating Evapotranspiration from Solar Radiation, Marvin E. Jensen and Howard R. Haise, IR4:Dec 63:15:3737
Estimating Potential Evapotranspiration, W. Russell Hamon (with discussion), TR:128I:324: 3415
Evaporation at High Elevations in California, Leonard L. Longacre and Harry F. Blaney (with discussion), TR:128III:444:3513
Factors Affecting the Safe Yield of Ground-Water Basins, John F. Mann, Jr. (with discussion), TR:128III:180:3434
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR:128III:103:3419
Mechanics of Evapo-Transpiration, David W. Hendricks and Vaughn E. Hansen (with discussion), TR:128III:422:3512
Mechanics of a Mathematical Ground-Water Model Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422
Quality and Significance of Irrigation Return Flow, Robert O. Sylvester and Robert W. Seabloom, Jr., IR3:Sept 63:1:3624
Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
Separation of Evapotranspiration and Deep Percolation, Lyman S. Willardson and Wendell L. Pope, IR3:Sept 63:77:3638
Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714
Subsurface Water Distribution in Surface Irrigation, Ernest T. Smerdon, IR1:Mar 63:1:3445
Tolerance of Plants to Salinity, Leon Bernstein (with discussion), TR:128III:561:3518
Unification of Parshall Flume Data, Sydney Davis (with discussion), TR:128III:399:3511
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simon and Maurice L. Albertson (with discussion), TR:128I:65:3399
Unique Consumptive Use Curve Related to Irrigation Practice, Vaughn E. Hansen, IR1:Mar 63:43:3449
Unsteady Flow of Ground Water into Drain Tile, R.H. Brooks (with discussion), TR:128III:117: 3420
Water Distribution from Medium Pressure Sprinklers, Ido Seginer, IR2:Jun 63:13:3545
Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

IRRIGATION (General) Continued
Water Table Fluctuations Induced by Irrigation, Marinus Maasland, TR:128III:142:3223

INCINERATION
Thermal Decomposition of Human Waste, Jimmie E. Quon and Wesley O. Pipes, SA1:Jan 63: 1:3382

INDUSTRY
The Professional Engineer and His Values, Robert F. Garfoot and J. Richard Simon, PP1: Jan 63:15:3395

JOB MANAGEMENT
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3635

JOINTS
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

LABORATORIES
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407

LAKES (General)
Sediment in Small Reservoirs Due to Urbanization, Harold P. Guy and George E. Ferguson, TR:128I:982:3457

LAKES (Geographical)

Louisiana
Surveys for the Lake Pontchartrain Bridge, James M. Tuttle (with discussion), TR:128IV: 42:3409

LAND RECLAMATION
Hawaii--New Land Worth $23 Million for Honolulu, Robert M. Belt, CE:Sep 63:60

LAW
Desirable Features of Water Rights Laws, Dan S. Jones, Jr., IR4:Dec 63:1:3711
Land Surveying and Land Registration, J.G. McEntyre and A.J. McNair, SU1:Feb 63:59:3437
Uniform Requirements for Property Surveys, Winfield H. Eldridge, SU2:Jun 63:27:3537
Walter E. Jessup, former editor of CIVIL ENGINEERING co-authors book, "Law and Specifications for Engineers and Scientists," CE:Nov 63:92
Who Pays for The Unexpected in Construction?, CE:Sep 63:37
Who Pays for the Unexpected in Construction?: Report of the Committee on Contract Administration of the Construction Division, ASCE, Blair Birdsall, Chmn, CO2:Sept 63:23:3653

LANDFILL
Hawaii--New Land Worth $23 Million for Honolulu, Robert M. Belt, CE:Sep 63:60

LIBRARIES
ASCE publications needed in university libraries in emerging countries; where to send back copies, dsc, CE:Aug 63:62
See also Engineering Societies Library

LOAD
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Analysis of Rigid Frames by Difference Equations, Hsien-San Tsang, ST2:Apr 63:127:3499
Bearing Capacity of Piles in Cohesionless Soils, R.L. Nordlund, SM3:May 63:1:3506
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445
Critical Buckling Loads for Tapered Columns, James M. Gere and Winfred O. Carter (with discussion), TR:128II:736:3490
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3: May 63:103:3514
Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427
Grid Analysis by the Reaction Distribution Method, Irving Fader (with discussion), TR:128II:255:3428
Interpretation of Moiré Patterns, A.J. Durelli, C.A. Sciammarella and V.J. Parks, EM2:Apr 63:71:3485
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3: May 63:63:3509
Limit Analysis of Cylindrical Shells, R.E. Ball and S.L. Lee, EM3:Jun 63:73:3544
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2:Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57: 3700
Philosophy of Engineering Design of Structures, Malcolm S. Gregory, ST6:Dec 63:119:3722
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Plastic Analysis of Circular Balcony Girders, Kunag-Han Chu and Arthur Thelen, ST6:Dec 63:159:3726
Yielding at Varying Load Rates, A.M. DiGioia, Jr., and R.G. Crum, TR:128I:1119:3470

LOCKS
Canada to build twin Welland Canal Locks, CE:Sep 63:81
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523
Ohio--Meldahl Locks and Dam on the Ohio River, William F. McCraw, Jr., CE:Sep 63:56
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
West Virginia--contract awarded for Ohio River Locks, CE:Jun 63:83

MAINTENANCE
Flow Retardance by Channel Weeds and Their Control, J.E. Stephens, R.D. Blackburn, D.E. Seaman, and L.W. Weldon, IR2:Jun 63:31:3550

MAINTENANCE Continued
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

MANAGEMENT
Cost of Operating a Field Construction Office, John D. Bristor, CO2:Sept 63:75:3643
Operations Research in Construction Planning, Robert L. Nicholls, CO2:Sept 63:59:3640

MANPOWER
See Engineers' Joint Council

MAPPING
Error Problems in Aerial Photogrammetry, Sumner B. Irish, SU2:Jun 63:65:3557
Pipeline Location: Special Surveys-1: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:7:3388
Problems in Property Surveys and Right-of-Way Mapping, Frank Bonacci, SU1:Feb 63:91:3439

MAPS
Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673

MARINAS
Concrete for Marinas, E.P. Sellner, CE:Jul 63:48
Recreational uses of hydroelectric reservoirs (symposium), CE:Aug 63:38

MASONRY
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107:3559
Surveys for the Lake Pontchartrain Bridge, James M. Tuttle (with discussion), TR:128IV:42:3409
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

MATERIALS
Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop, Francis H. Ree, Taikyue Ree, and Henry Eyring, B.L. Averbach (with discussion), TR:128I:1319:3488
Structure Design Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718
Structural Synthesis with Buckling Constraints, Lucien A. Schmit, Jr. and William M. Morrow, ST2:Apr 63:107:3496
Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II:896:3520
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390

MATERIALS OF CONSTRUCTION
Nylon Used in Hydraulic Engineering, J.P.A. Van Lookeren Campagne, CE:Jan 63:31

MATERIALS TESTING
Civil engineering advances reported at ASTM meeting, CE:Aug 63:84
Non-Destructive Testing in Civil Engineering, C.W. Britzius, CE:Jan 63:21

MATHEMATICS
Analysis of Structures by System Theory, N.C. Lind (with discussion), TR:128II:786:3508
Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Pul W. Shuldiner, EM6:Dec 63:97:3729
Bibliography on the Use of Digital Computers in Structural Engineering: Progress Report of the Task Group of the Subcommittee on Publications of the Committee on Electronic Computation of the Structural Division, ASCE, George F. Booss, Chmn, ST6:Dec 63:461:3740
Consistent Approximations in Shell Theory, Placido Cicala, TR:128I:1203:3479
Consistent Mass Matrix for Distributed Mass System, John S. Archer, ST4:Aug 63:161:3591
Deflection and Slope of Beams with Varying I, Otakar Ondra, ST1:Feb 63:25:3409
Deflection Theory of Arches, S.O. Asplund (with discussion), TR:128II:307:3439
Diffraction of Waves by Semi-Infinite Breakwater, R.L. Wiegel (with discussion), TR:128I:1181:3477
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Drainage Wells in Leaky Water-Table Aquifers, Mahdi S. Hantush, TR:128I:1005:3459
Dynamic Nonlinear Response of Reinforced Concrete Arches, Vijay N. Gupchup and John M. Biggs, ST4:Aug 63:225:3596
Energy Relationships in Plastic Steel Structures, B. Rawlings, TR:128II:578:3480
Estimating Potential Evapotranspiration, W. Russell Hamon (with discussion), TR:128I:324:3415
Estimating the Probable Maximum Precipitation, David M. Hershfield (with discussion), TR:128I:534:3431
Grid Analysis by the Reaction Distribution Method, Irving Fader (with discussion), TR:128II:255:3428
Iterative Method in Frame Analysis, Paul Lustgarten, ST2:Apr 63:75:3481
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680
Mathematics of Complete-Mixing Activated Sludge, Ross E. McKinney (with discussion), TR:128III:497:3516
Matrix Derivation of the Folded Plate Equations, J.L. Meek, ST3:Jun 63:77:3549
Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532

MATHEMATICS Continued
Mechanics of a Mathematical Ground-Water Model, Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461
Network Analogy for Linear Structures, W.R. Spillers, EM4:Aug 63:21:3601
Optimum Solution Techniques for Finite-Difference Equations, Richard N. White, ST4:Aug 63:115:3587
Orthonormal Equations for Surveying Adjustment, H.L. Su, SU1:Feb 63:77:3438
Principle of Virtual Work in Structural Analysis, Frank L. DiMaggio (with discussion), TR:128II:183:3407
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63:165:3706
Short Flexible Suspension Bridges for Heavy Trucks, Sven Olof Asplund (with discussion), TR:128II:927:3521
Simplified Formulation of Stiffness Matrices, Peter M. Wright, ST2:Apr 63:33:3478
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567
Steady Creep of a Nonhomogeneous Plate, J.L. Sackman, TR:128I:1255:3484
Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436
Structural Analysis of Solids, Robert J. Melosh, ST4:Aug 63:205:3593
Turbulent Diffusion and Anemometer Measurements, Lionel V. Baldwin and William R. Mickelsen (with discussion), TR:128I:1595:3507
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR:128I:897:3450
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502

MATRICES
Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717
Dynamic Response of Lattice-Type Structures, Bruce E. Berger and Sidney Shore, EM2:Apr 63:47:3484

MECHANICS
ASCE Engineering Mechanics Division Conference in Urbana, Ill., program, CE:Mar 63:43
Consistent Approximations in Shell Theory, Placido Cicala, TR:128I:1203:3479
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR:128I:897:3450
Vibrations of Linearly Tapered Cantilever Beams, G.W. Housner and W.O. Keightley (with discussion), TR:128I:1020:3461
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451

MEMBRANES
Membrane Analysis of Shells, Donald L. Dean, EM5:Oct 63:65:3682

METALS
Design of Metal Pipe for Use in Irrigation Structures, Darrell N. Blake, IR3:Sept 63:45:3634
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop; Francis H. Ree, Taikyue Ree, and Henry Eyring; B.L. Averbach (with discussion), TR:128I:1319:3488
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II:896:3520

METEOROLOGY
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
California--a Moving Boatline for River Flow Measurement at Sacramento, F.C. Craig and Winchell Smith, CE:Sep 63:43
Evaporation at High Elevations in California, Leonard L. Longacre and Harry F. Blaney (with discussion), TR:128III:444:3513
Mechanics of Evapo-Transpiration, David W. Hendricks and Vaughn E. Hansen (with discussion), TR:128III:422:3512

METERS
Accuracy of Current Meter Measurements, Rolland W. Carter and Irving E. Anderson, HY4:Jul 63:105:3572
Kariba Left Bank Cofferdam, Jean J. Martin, CO1:Mar 63:33:3454
Seepage Meters in Seepage and Recharge Studies, Herman Bouwer and R.C. Rice, IR1:Mar 63:17:3448

METRIC SYSTEM
American Society for Testing and Materials will use metric system in its standards, CE:Mar 63:88

MILITARY ENGINEERING
See U.S. Air Force, U.S. Government

MISSILES
Re-entry Optimization and Synthesis Program, T.E. Hess, J.C. Bailey, and H.J. Most, ST4:Aug 63:249:3598
Titan ICBM Hardened Facilities, Marvin J. Kudroff (with discussion), TR:128II:516:3467
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455
Wyoming--contract let for Cheyenne launching silos, CE:Jan 63:76

MODELS
Analog Models for Flood Control Systems, TR:128I:993:3458
Cavitation in Hydraulic Structures: Scale Effects Involved in Cavitation Experiments, J.M. Robertson, HY3:May 63:167:3520
Channel Changes in the St. Clair River Since 1933, Ira M. Korkigian, WW2:May 63:1:3511
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and

MODELS Continued
William G. Mooney, TR:128II:629:3487
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV: 347:3496
Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427
Design Waves for Littoral Drift Models, R. Silvester, WW3:Aug 63:37:3620
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR: 128III:1:3392
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Dynamics of a Large Steerable Radio Telescope Antenna, William Weaver, Jr., and Thomas R. Kane, ST4:Aug 63:55:3583
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209: 3434
Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV: 195:3465
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
Grit Unbalance in Sewage Flow Division, Y. Yoshimi and T.E. Stelson, SA2:Apr 63:61:3493
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Jet Discharge into a Fluid with a Density Gradient, William E. Hart (with discussion), TR:128I:1358:3493
Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680
Mechanics of a Mathematical Ground-Water Model, Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461
Model Prediction of Fracture Due to Explosions, Charles W. Martin and Glenn Murphy, EM2:Apr 63:133:3491
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21: 3433
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107:3559
Plane Stress Analysis, C.W. McCormick, ST4:Aug 63:37:3581
Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424
Radial Collector Wells Adjacent to the River Bank, Miloje Milojevic, HY6:Nov 63:133:3704
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63:165: 3706
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413

MONORAIL
New York--monorail for New York World's Fair, CE:Jun 63:84; Sep 63:81

MOMENT DISTRIBUTION
Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717

NATIONAL ACADEMY OF ENGINEERING
EJC aids in forming National Engineering Academy, CE:Jun 63:75

NAVIGATION
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1: 3690
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447

NEW MEXICO
Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

NYLON
Nylon Used in Hydraulic Engineering, J.P.A. Van Lookeren Campagne, CE:Jan 63:31

OCEANS
Investigation of the Statistics of Wave Heights, R.C. Goodknight and T.L. Russell, WW2:May 63:29:3524

OFFSHORE STRUCTURES
Venezuela--Long Concrete Cylinder Piles for Platform in Lake Maracaibo, Gerald A. O'Connor, CE:Apr 63:50

OPTIMIZATION
Structural Synthesis and Design Parameter Hierarchy, Lucien A. Schmit, Jr., and Robert H. Mallett, ST4:Aug 63:269:3599

PARKING
Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425

PAVEMENT
California--Paving Interstate 80 in the Sierra Nevada, Alan S. Hart, CE:Nov 63:62
Dsc on relative merits of "blacktop" and concrete pavement, H.S. Fowler, CE:Now 63:72
New Hampshire--Flexible Pavement for Interstate Route, Daniel S. Bailey, Jr., CE:Jan 63:44
Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424
Reinforced Concrete Pavements for Airports, August W. Compton (with discussion), TR:128IV: 27:3400
Runways and Taxiways for Supersonic Transports, Robert Horonjeff, TR:128IV:258:3478
South Dakota--Lime Stabilizes Shale Subgrade on Interstate Highway, Richard O. Berg and Charles A. Piper, Jr., CE:Sep 63:35
Strength of Prestressed Concrete Pavements, Yutaka Osawa, TR:128II:607:3485

PAVEMENTS
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1: Apr 63:57:3497

PEACE CORPS, U.S.
New opportunities in the Peace Corps, with postcard, CE:May 63:64
A Retired Engineer in the Peace Corps, (Ralph Cole), Philip D. Hardberger CE:Nov 63:54

PENSTOCKS
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Penstocks and Scroll Cases for Niagara Power Project, J. Edgar Revelle and John N. Pirok (with discussion), TR:128III:191:3453

PERMEABILITY
Channel Stability in Undisturbed Cohesive Soils, Elliott M. Flaxman, HY2:Mar 63:87:3462
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A.Lowitz, TR:128III: 349:3499
Deep Injection Disposal Well for Liquid Toxic Waste, O.E. Mechem and J.H. Garrett, CO2: Sept 63:111:3650
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Seepage Meters in Seepage and Recharge Studies, Herman Bouwer and R.C. Rice, IR1: Mar 63:17:3448

PHOTOGRAMMETRY
Aerial Traverse and Maximum Bridging Distance, Sandor A. Veres, SU3:Oct 63:157:3679
Error Problems in Aerial Photogrammetry, Sumner B. Irish, SU2:Jun 63:65:3557
Chile--photogrammetry for Reconstruction and National Development, Staff of Proyecto Aerofotogrametrico, CE:Jun 63:58
Photogrammetric Determination of Azimuth, Michael S. Tavenner and Paul B. Swenson, SU3: Oct 63:7:3664
Photogrammetric Engineering and Reservoir Planning, Pliny Gale, SU1:Feb 63:113:3443
Photogrammetry to Locate Water, A.O. Quinn, CE:Aug 63:50

PIERS, BRIDGE
Scour at Bridge Piers: 1. Cause and Effect, Luigi Stabilini; CE:May 63:46; 2. Protection of Threatened Piers, C.J. Posey, May 63:48
Dsc: C.R. Neill, CE:Aug 63:63; A.R. Archer, Nov 63:72
Reply, L. Stabilini, CE:Aug 63:63

PILES
Allowable Bearing Capacity of Initially Bent Piles, Bengt B. Broms, SM5:Sept 63:73:3651
Bearing Capacity of Piles in Cohesionless Soils, R.L. Nordlund, SM3:May 63:1:3506
Computer Study of Dynamic Behavior of Piling, Charles H. Samson, Jr., Teddy J. Hirsch, and Lee L. Lowery, Jr., ST4:Aug 63:413:3608
Expansion of a Cavity in a Saturated Clay Medium, B. Ladanyi, SM4:Jul 63:127:3577
Groups of Vertical Cylinders Oscillating in Water, A.D.K. Laird and R.P. Warren, EM1: Feb 63:25:3422
Illinois--Timber Piles Reused in Place for Chicago Garage, Eugene A. Dubin, CE:Jun 63:39
Installation Problems with Cast-in-Place Concrete Piles, Michael Praszker, CE:Mar 63:50
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3: May 63:63:3509
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2:Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57: 3700
Michigan--Highway Bridges with All-Steel Abutments, J.F. McDermott, CE:Feb 63:54
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Pile Spacing for Retaining-Wall Foundations, K.R. Patel, CE:Dec 63:43
Venezuela--Long Concrete Cylinder Piles for Platform in Lake Maracaibo, Gerald A. O'Connor, CE:Apr 63:50

PIPELINES
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR: 128III:162:3430
Pipeline Location: Special Surveys-I: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E. O. Scott, Chmn, PL1:Jan 63:7:3388
Pipeline Location: Special Surveys-II: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:17:3389
Regulation of Pipeline Design and Construction: Progress Report of the Task Committee on Investigation of Problems Involved in the Regulation of Pipeline Design and Construction by Various Governmental Agencies, ASCE, Lewis E. Hoffmann, Chmn, PL1:Jan 63:1:3379
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390
Valve Stroking to Control Water Hammer, Victor L. Streeter, HY2:Mar 63:39:3452
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502

PIPES
Boundary Flow Along a Circular Cylinder, R.O. Reid and Basil W. Wilson, HY3:May 63: 21:3512
Design of Metal Pipe for Use in Irrigation Structures, Darrell N. Blake, IR3:Sept 63: 45:3634
Flow Characteristics of Axisymmetric Expansions, M.C. Chaturvedi, HY3:May 63:61: 3515
Hood Inlet for Closed Conduit Spillways, Fred W. Blaisdell (with discussion), TR:128I:1:3393
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481

PIPES Continued
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390

PIPES AND PIPELINES
ASCE Pipeline Division Task Force issues report on pipeline practice, Jack W. Pierce, Chairman, CE:Aug 63:34
California--Cleaning and Lining 6-in. Pipeline in Mesa Verde National Park, John H. Baker, CE:Apr 63:46
Illinois--Massive Cooling-Water Discharge Pipeline for Coffeen Power Station, CE:Nov 63:93
Oklahoma--100-mile Pipeline Brings Water to Oklahoma City, Herman E. Smith and Lee B. Washbourne, CE:Oct 63:32

PLANNING
For Planning Engineers--Big Opportunities Ahead, C.E. Perkins, CE:Oct 63:48
Operations Research in Construction Planning, Robert L. Nicholls, CO2:Sept 63:59:3640
Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673
Use of Critical Path Techniques, Charles W. Zahler, ST4:Aug 63:151:3589

PLASTICITY
Columns in Planar Continuous Structures, M. Ojalvo, and V. Levi, ST1:Feb 63:1:3408
Dynamic Analysis of Inelastic Multi-Degree Systems, A.C. Heidebrecht, J.F. Fleming, and S.L. Lee, EM6:Dec 63:193:3730
Dynamic Response of Elastic-Viscous-Plastic Columns, Cheng Y. Yang, Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Energy Relationships in Plastic Steel Structures, B. Rawlings, TR:128II:578:3480
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47:3460
Limit Design of Crossed Steel Beams, Aron Zaslavsky (with discussion), TR:128II:431:3456

Method for Plastic Design of Frames, George J. Megarefs and Philip G. Hodge, Jr., ST1:Feb 63:197:3421
Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63:159:3726
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501

PLASTICS
Committee on Plastics formed by ASCE Structural Division, CE:Aug 63:75
New Machine Lays Plastic Drains, James L. Fouss, CE:Apr 63:58

PLATES
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
Consistent Approximations in Shell Theory, Placido Cicala, TR:128I:1203:3479
Eigen-Matrix Method for Beams and Plates, Bennosuke Tanimoto, ST5:Oct 63:173:3681
Elastic Plates on a Liquid Foundation, Arnold D. Kerr, EM3:Jun 63:59:3542
Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446
Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468
Folded Plate Structures of Light Gage Steel, Arthur H. Nilson (with discussion), TR:128II:848:3514
Large Deflections of Plates on Elastic Foundations, S.N. Sinha, EM1:Feb 63:1:3416
Matrix Derivation of the Folded Plate Equations, J.L. Meek, ST3:Jun 63:77:3549
Method of Internal Constraints and its Application, Enrico Volterra, TR:128I:509:3429
Natural Vibrations of Partially Clamped Plates, Muneaki Kurata and Hirokazu Okamura, EM3:Jun 63:169:3561
Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588
Riveted and Bolted Joints: Truss-Type Tensile Connections, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:67:3412
Stability of Equilateral Triangular Plates, William A. Bradley, EM1:Feb 63:37:3426
Steady Creep of a Nonhomogeneous Plate, J.L. Sackman, TR:128I:1255:3484
Stresses in a Pressurized Box, H.D. Conway, ST2:Apr 63:95:3492
Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436
Thermoelasticity of Heterogenous Aeolotropic Plates, Yehuda Stavsky, EM2:Apr 63:89:3486
Vibration of Circular Plates at Large Amplitudes, Thein Wah, EM5:Oct 63:1:3663
Viscoelastic Plate on a Viscoelastic Foundation, Karl S. Pister, TR:128I:937:3451

POLLUTION
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
Coliform Standards for Recreational Waters: Progress Report of the Public Health Activities Committee of the Sanitary Engineering Division, Charles L. Senn, Chmn, SA4:Aug 63:57:3617
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Oxygen Relationships in the Sacramento River, Charles G. Gunnerson and Thomas E. Bailey, SA4:Aug 63:95:3619

POPULATION
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
Auto Trips to the Central Business District, John A. Dearinger, TR:128IV:278:3482

POPULATION Continued
Climate, Population, and Water Demand, G.M. Quraishi, SA2:Apr 63:1:3470

PORTS AND MARITIME STRUCTURES
New York--face-lift for city's waterfront, CE:Jun 63:82
Venezuela--Long Concrete Cylinder Piles for Platform in Lake Maracaibo, Gerald A. O'Connor, CE:Apr 63:50

POWER (General)
American Power Conference's Silver Anniversary, CE:Feb 63:42
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497
Brazil--power resources to be surveyed, CE:Jan 63:73
California--contract let for work on American River Project, CE:Jun 63:82
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645
Colorado--contract let for control center for Colorado River Power, CE:Sep 63:82
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
Hydro System Power Analysis by Digital Computer, David J. Lewis and Loren A. Shoemaker, TR:128I:1074:3466
India's largest power plant taking shape, CE:Jul 63:80
Interest on Capital Invested in Construction, J. F. Muir and Eugen Ruus, PO1:Sept 63:1:3622
Missouri--Taum Sauk Pumped Storage Power Project, E.A. Rudulph, CE:Jan 63:40
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213:3412
Papers for World Power Conference, Lausanne, Switzerland, invited, CE:Jul 63:44
Penstocks and Scroll Cases for Niagara Power Project, J. Edgar Revelle and John N. Pirok (with discussion), TR:128III:191:3453
Simplified Sag-Tension Equations for Power Lines, Francis J. Hubert, TR:128III:214:3464
TVA studies sites for pumped-storage power, CE:Oct 63:90
Transactions of Sixth Plenary Meeting of World Power Conference, in Melbourne, available, CE:Jul 63:65
USSR--Construction Boom, James K. Carr, CE:Mar 63:39
See also Atomic Energy, Transmission Lines

POWER (Geographical)

Arizona
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471

New York
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Penstocks and Scroll Cases for Niagara Power Project, J. Edgar Revelle and John N. Pirok (with discussion), TR:128III:191:3453

POWER, HYDROELECTRIC
Colombia, S.A.--International Credit for Andean Hydro, S.P. McCasland, CE:Jan 63:36
Missouri--Taum Sauk Pumped Storage Power Project, E.A. Rudulph, CE:Jan 63:40
Recreational Uses of Hydroelectric Reservoirs, (symposium), CE:Aug 63:39
Utah--President Kennedy starts generator at Flaming Gorge powerplant, CE:Nov 63:92
Washington--Aluminum in Rocky Reach Dam, Robert M. Peters, CE:Jul 63:32
Dsc: J.H. Fetty, CE:Oct 63:61
Rep. by Author: CE:Oct 63:61
Washington--Innovations at Wanapum Dam, U.V. Engstrom, CE:Oct 63:43

POWER PLANTS (General)
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645
Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213:3412
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627

POWER PLANTS (Geographical)

Arizona
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471

California
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497

New York
Penstocks and Scroll Cases for Niagara Power Project, J. Edgar Revelle and John N. Pirok (with discussion), TR:128III:191:3453

POWER, THERMAL
California--addition to Edison's Alamitos power station, CE:Sep 63:83
Ohio--investor-owned plant proposed, CE:Jan 63:75
Okinawa--diesel-driven packaged generating units ordered for, CE:Nov 63:91
Wisconsin--Madison steam plant cited for architectural excellence, CE:Sep 63:83

PRACTICE OF ENGINEERING
A Blueprint for the Profession, Raymond J. Stith, CE:Dec 62:52
Dsc: G.R. Berry, CE:Feb 63:57; H.A. Hagestad, CE:Feb 63:57; V.A. Wienski, CE: Feb 63:57; R.R. Schindler, CE:Feb 63:58
A Formidable Challenge--Will Engineers Maintain Their Place as Professionals in the Space Age?, A.M. Minton, CE:May 63:55

PRESSURE
Bearing Capacity of Piles in Cohesionless Soils, R.L. Nordlund, SM3:May 63:1:3506
Dynamic Pressure of Granular Material in Deep Bins, Alexander M. Turitzin, ST2: Apr 63:49:3479
Stresses in a Pressurized Box, H.D. Conway, ST2:Apr 63:95:3492

PRESTRESSING
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107: 3559

PROBABILITY
Calculated Risks of Impounding Reservoir Yield, John B. Stall and James C. Neill, HY1: Jan 63:25:3385
Project Yields by a Probability Method, W. Don Maughan and R.Y. Kawano, HY3:May 63: 41:3513
Reliability Framework for Structural Design, Howard L. Leve, ST4:Aug 63:315:3603
Risk Criteria, Leon E. Borgman, WW3:Aug 63: 1:3607

PROFESSIONAL ADVANCEMENT
ASCE President's inaugural address: Competence Is What Counts Most, Waldo G. Bowman, CE:Nov 63:35
Dsc, on achieving professionalism, in response to "Younger Viewpoint" invitation, Earl Rogers, CE:Oct 63:59
The Hour of Destiny for Engineering, N.D. Lea, CE:Nov 63:70
An Indoctrination Ritual for Engineers, W.H. Wisely, CE:Aug 63:33
Dscs: H.L. Johnson, E.F. Bespalow, E.V. Hunt, T.C. Kenney, L.W. Crump, R.D. Henderson, CE:Oct 63:60
Professional Identification in ASCE, CE:Apr 63:31
Dsc: C.L. Bogert, CE:Jun 63:68; S.G. Petersen, Jul 63:62; P.H. Perkins, Nov 63:73
Reply, W.H. Wisely, Nov 63:73
The Public Image of the Civil Engineer, CE:Feb 63:31
Dsc: A.W. Daniels, CE:Apr 63:61
Public Recognition--A Measure of the Civil Engineer's Success, Don M. Corbett, CE:Apr 63:55
The Rise and Fall of Professional Engineering, C. Ken Weidner, CE:Jan 63:49
Dsc: J.M. Abernathey, CE:Mar 63:70

PROFESSIONAL PRACTICE
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, Nathan M. Newmark, Chmn, PP1:Jan 63:37:3399
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497
The Challenge of Continuing Technical Excellence, Bengt F. Friberg, PP1:Jan 63:1:3381
Continuing Education-A Professional Imperative, Roy M. Green, PP1:Jan 63:93:3403
Forefront of Civil Engineers of Tomorrow, Shu-t'ien Li, PP1:Jan 63:23:3397
Impact of the Computer on the Young Engineer, Elmer K. Timby, PP1:Jan 63:31:3398
An Impression of the Technical Division Activity in ASCE, Annual Address at the Conference, Milwaukee, Wisconsin, May 15, 1963, Edmund Friedman, TR:128V:101:3522
Man-Machine Communication in Civil Engineering, C.L. Miller, ST4:Aug 63:5:3594
Professional Development of the Young Engineer, Rodney W. Johnson, PP1:Jan 63:9:3383
The Professional Engineer and His Values, Robert F. Garfoot and J. Richard Simon, PP1: Jan 63:15:3395
Research and Civil Engineering Education, Nathan M. Newmark, TR:128V:1:3435
Research and the Professional Society, Arthur T. Ippen (with discussion), TR:128V:92:3506

PROFILES
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567

PUBLIC HEALTH
Coliform Standards for Recreational Waters: Progress Report of the Public Health Activities Committee of the Sanitary Engineering Division, Charles L. Senn, Chmn, SA4:Aug 63:57:3617

PUBLIC WORKS
Public Works Week set for September, CE:Aug 63:84

PUMPED STORAGE
Missouri--Taum Sauk Pumped Storage Power Project, E.A. Rudulph, CE:Jan 63:40

PUMPING
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR: 128III:103:3419
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517

PUMPS
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523

PURIFICATION
Dye Dispersion Studies, Alex N. Diachishin, SA1:Jan 63:29:3386

PUZZLES AND PROBLEMS
Exam Gems by R. Robinson Rowe, in each issue

RADIOACTIVITY
Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645

RADIOACTIVITY Continued
Metal Work Design of High Intensity Radiation Cells, John M. Ruddy, TR:128II:568:3473
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609

RADIO TELESCOPE
Analysis of Large Movable Structures, Herbert Rothman and Philip Mason, ST4:Aug 63:353:3605

RAILROADS
B. & O. completes tunnel improvement program, CE:Dec 63:88
California--Tunnel Driving for Relocation of Railroad Above Oroville Dam, Harold E. Russell, CE:Feb 63:43
Dsc, CE:Sep 63:64, "Do You Know That", item on Japanese train, E.A. Abdun-Nur, CE:Jul 63:29
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462

RAILS
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462

RAINFALL (General)
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628
Estimating Potential Evapotranspiration, W. Russell Hamon (with discussion), TR:128I:324:3415
Estimating the Probable Maximum Precipitation, David M. Hershfield (with discussion), TR:128I:534:3431
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693
Securing More Nearly True Precipitation Measurements, Leonard L. Weiss, HY2:Mar 63:11:3446

RAPID TRANSIT
California--contract for research on Bay Area transit project, CE:Oct 63:91
California--court dismisses Bay area transit suit, CE:Jul 63:79
California--engineers chosen for San Francisco Bay Area project, CE:Jan 63:75
California--work delayed on San Francisco system, CE:Apr 63:80
Rail Transit in the Highway Median--Yes or No?, Joseph Barnett, CE:Jan 63:34
Westinghouse proposed trial system for Pittsburgh, CE:Jan 63:73

REACTORS
Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733
Atomic Power, A Failure in Engineering Responsibility, Adolph J. Ackerman (with discussion), TR:128V:17:3497
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Nuclear Power for the Arctic, William F. Reilly and John T. Rhett, Jr., TR:128II:213:3412

RECLAMATION
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395

RECREATION
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690
Recreational Uses of Hydroelectric Reservoirs, (symposium), CE:Aug 63:38
See also Marinas

REFUSE DISPOSAL
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609

REGISTRATION
The Challenge of Continuing Technical Excellence, Bengt F. Friberg, PP1:Jan 63:1:3381
Corporate practice in NCSBEE Model Law, CE:May 63:45
Professional Development of the Young Engineer, Rodney W. Johnson, PP1:Jan 63:9:3383

REGISTRATION OF ENGINEERS
Committee formed to uphold registration laws, CE:May 63:62

REGULATIONS
Short Cuts in Hydrology, Arthur I. McCutchan, HY3:May 63:203:3522

REINFORCEMENT
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107:3559
Mechanics of Crack Arrest in Concrete, James P. Romualdi and Gordon B. Batson, EM3:Jun 63:147:3558

REPAIRS
Cavitation in Hydraulic Structures: Problems Created by Cavitation Phenomena, Fred R. Brown, HY1:Jan 63:99:3393

REPORTS
Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division, C.H. Oglesby, Chmn, CO1:Mar 63:73:3456
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, Nathan M. Newmark, Chmn, PP1:Jan 63:37:3399
Bibliography on the Use of Digital Computers in Structural Engineering: Progress Report of the Task Group of the Subcommittee on Publications of the Committee on Electronic Computation of the Structural Division, ASCE, George F. Boosa, Chmn, ST6:Dec 63:461:3740

REPORTS Continued
Pipeline Location: Special Surveys-I: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:7:3388
Pipeline Location: Special Surveys-II: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:17:3389
Regulation of Pipeline Design and Construction: Progress Report of the Task Committee on Investigation of Problems Involved in the Regulation of Pipeline Design and Construction by Various Governmental Agencies, ASCE, Lewis E. Hoffmann, Chmn, PL1:Jan 63:1:3379
Translations of Foreign Literature on Hydraulics: Fifth Progress Report of the Task Force on List of Translations of the Committee on Hydro mechanics of the Hydraulics Division, ASCE, Jan C. Van Tienhoven, Chmn, HY1:Jan 63:59:3391

RESEARCH
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, Nathan M. Newmark, Chmn, PP1:Jan 63:37:3399
Canada--Ontario Research Community started, CE:Mar 63:92
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr., (with discussion), TR:128I:949:3452
Colorado--Engineering Research Center for Denver, CE:Apr 63:79
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Dsc by P.J. Lehman on availability of his paper on dimensional analysis, CE:Mar 63:70
Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628
Engineering Foundation research conference, CE:May 63:45
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
O.H. Ammann Research Fellowship established, CE:May 63:45
Operations Research in Construction Planning, Robert L. Nicholls, CO2:Sept 63:59:3640
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501
Research and Civil Engineering Education, Nathan M. Newmark, TR:128V:1:3435
Research and the Professional Society, Arthur T. Ippen (with discussion), TR:128V:92:3506

RESERVOIRS
California--Evaporation from a Covered Reservoir at Stanford University, Joseph B. Franzini and David W. Hill, CE:May 63:35
Evaporation at High Elevations in California, Leonard L. Longacre and Harry F. Blaney (with discussion), TR:128III:444:3513
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV:195:3465
Project Yields by a Probability Method, W. Don Maughan and R.Y. Kawano, HY3:May 63:41:3513
Recreational Uses of Hydroelectric Reservoirs, (symposium), CE:Aug 63:39
Sediment in Small Reservoirs Due to Urbanization, Harold P. Guy and George E. Ferguson, TR:128I:982:3457

RESERVOIRS
Calculated Risks of Impounding Reservoir Yield, John B. Stall and James C. Neill, HY1:Jan 63:25:3385
Conjunctive Operation of Dams and Aquifers, N. Buras, HY6:Nov 63:111:3697
Deep Injection Disposal Well for Liquid Toxic Waste, O.E. Mechem and J.H. Garrett, CO2:Sept 63:111:3650
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423
Photogrammetric Engineering and Reservoir Planning, Pliny Gale, SU1:Feb 63:113:3443
Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:Dec 63:7:3714
Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

RETAINING WALLS
Boundary Value Problems of Soil Mechanics, W.D. Liam Finn, SM5:Sept 63:39:3648
Pile Spacing for Retaining-Wall Foundations, K.R. Patel, CE:Dec 63:43
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507

REVETMENT
Nylon Used in Hydraulic Engineering, J.P.A. Van Lookeren Campagne, CE:Jan 63:31

RIGIDITY
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736

RINGS
Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161:3721

RIVERS (General)
Colorado River--USBR reports on reducing salinity, CE:May 63:72
Columbia River pact between U.S. and Canada advanced, CE:Aug 63:88
Committee on Regulation and Stabilization of Rivers of ASCE Waterways and Harbors Div. meets, CE:Nov 63:49
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV:347:3496

RIVERS (General) Continued
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690
Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29:3699
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693
Oxygen Relationships in the Sacramento River, Charles G. Gunnerson and Thomas E. Bailey, SA4:Aug 63:95:3619
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413
Stability of Alluvial Channels, Francis M. Henderson (with discussion), TR:128I:657:3440
Stabilization of Fivemile and Muddy Creeks, C.R. Miller and W.M. Borland, HY1:Jan 63:67:3392
Texas--big Trinity River project recommended, CE:May 63:72

RIVERS (Geographical)

Colorado River
Total Sediment Transport in the Lower Colorado River, John R. Sheppard (with discussion), TR:128I:721:3441

Columbia River
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471

Pacific Northwest
Hydro System Power Analysis by Digital Computer, David J. Lewis and Loren A. Shoemaker, TR:128I:1074:3466

RIVETING
Design of Metal Pipe for Use in Irrigation Structures, Darrell N. Blake, IR3:Sept 63:45:3634

RIVETS
Choosing The Best Structural Fastener, Henry J. Stetina, CE:Nov 63:50
Riveted and Bolted Joints: Net Section Design, W.H. Munse and E. Chesson, Jr., ST1:Feb 63:107:3413
Riveted and Bolted Joints: Truss-Type Tensile Connections, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:67:3412

ROCKS
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
Oahe Dam: Geology, Embankment, and Cut Slopes, Donald K. Knight, SM2:Mar 63:99:3466
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1:Apr 63:57:3497

ROOFS
Analysis of Prestressed Cylindrical Shell Roofs, Ryszard Dabrowski, ST5:Oct 63:91:3668
New York--Roof raised at New York State's Fair pavilion, CE:Dec 63:91

RUNOFF
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693

SAFETY
Assoc. General Contractors of America intensifies safety program, CE:Jul 63:79
Error Statistics for Reinforced Concrete Beams, Theodore Zsutty, ST6:Dec 63:235:3732
New Concepts for Urban Freeway Interchanges, Donald W. Loutzenheiser (with discussion), TR:128IV:332:3492
Traffic Behavior and Freeway Ramp Design, Charles Pinnell and Charles J. Keese (with discussion), TR:128IV:1:3396
Vibration Analysis for Structural Floor Systems, Lawrence R. Burkhardt (with discussion), TR:128II:290:3438

SALARIES AND FEES
EJC studies salaries of engineering teachers, CE:Aug 63:75
Engineering Salaries Up 60 Percent in Ten Years--EJC Survey, Carl Frey, CE:May 63:42

SALINE WATER CONVERSION
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422

SAND
Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
Hydraulics of Gravity Wells in Sloping Sands, Mahdi S. Hantush (with discussion), TR:128I:1423:3500
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy, (with discussion), TR:128I:1553:3503
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Study of Failure Envelope of Soils, T.H. Wu, A.K. Loh, and L.E. Malvern, SM1:Feb 63:145:3430
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486

SANDS
Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631

SANITARY ENGINEERING
Action Guides for Radioactive Effluents from PRTR, Richard F. Foster, George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733

SANITARY ENGINEERING Continued
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
American Sanitary Engineering Intersociety Board Annual Meeting, CE:Feb 63:41
American Sanitary Engineering Intersociety Board to give examinations, CE:Mar 63:74
Analysis of Thickener Operation, Vaughn C. Behn and Jon C. Liebman, SA3:Jun 63:1:3535
Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
Climate, Population, and Water Demand, G.M. Quraishi, SA2:Apr 63:1:3470
Coliform Standards for Recreational Waters: Progress Report of the Public Health Activities Committee of the Sanitary Engineering Division, Charles L. Senn, Chmn, SA4:Aug 63:57:3617
Committee on Instrumentation and Data Processing of ASCE Sanitary Engineering Division meets, CE:Jan 63:27
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Dye Dispersion Studies, Alex N. Diachishin, SA1:Jan 63:29:3386
Effect of Paddle Design on Flocculation, Neil L. Drobny, SA2:Apr 63:17:3480
Fluorescent Tracers for Dispersion Measurements, Donald L. Feuerstein and Robert E. Selleck, SA4:Aug 63:1:3586
Free Energy as a Parameter in Biological Treatment, J.A. Servizi and R.H. Bogan, SA3: Jun 63:17:3539
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384
Grit Unbalance in Sewage Flow Division, Y. Yoshimi and T.E. Stelson, SA2:Apr 63:61:3493
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Indiana--Richmond Sewer Extension Promotes Municipal Growth, William Edwin Ross and George Erganian, CE:Mar 63:48
Dsc: R.R. Bradshaw, unsafe condition pictured in article, CE:Jun 63:69
Kinetics of Adsorption on Carbon from Solution, Walter J. Weber and J. Carrell Morris, SA2: Apr 63:31:3483
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395
Mathematics of Complete-Mixing Activated Sludge, Ross E. McKinney (with discussion), TR:128III:497:3516
Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609
Oregon--Interceptor Sewer Built in Lake Oswego, William J. Dorner and Walter J. Bushnell, CE:Mar 63:54
Pennsylvania--Incinerator Program for Delaware County, R.J. Mitchell, CE:Jun 63:64
Dsc: P. Geertson, CE:Sep 63:64
Proposed removal of Water Pollution Control Program from PHS, in Byline Washington, CE:Jul 63:75
Dsc: C.H. Atkins, CE:Sep 63:65; D.H. Howells, CE:Sep 63:65, Leo Weaver, CE:Sep 63:65
Rep, E.E. Halmos, CE:Sep 63:65
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Thermal Decomposition of Human Waste, Jimmie E. Quon and Wesley O. Pipes, SA1: Jan 63:1:3382
Trickling Filtration Design and Performance, W. Wesley Eckenfelder, Jr. (with discussion), TR:128III:371:3510
Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491
Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602
We Need More Municipal Waste Treatment Works, David H. Howells, CE:Sep 63:54
Wisconsin--Activated Sludge Plant for Milwaukee; Ray D. Leary and L. R. Howson, CE:Sep 63:44
Wisconsin--100 mgd Added to Milwaukee's Water Supply, H.M. Ihling and D.P. Proudfit, CE:Sep 63:31
See also Air Pollution, Water Pollution

SCHOLARSHIPS AND FELLOWSHIPS
Freeman Scholarship offered by Boston Society of Civil Engineers, CE:Mar 63:90

SCHOOLS
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627

SEDIMENT
Analysis of Relief Bridge Scour, Emmett M. Laursen, HY3:May 63:93:3516
Design Waves for Littoral Drift Models, R. Silvester, WW3:Aug 63:37:3620
Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division, E. Silberman, Chmn, HY2:Mar 63:97:3464
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21:3433
Sediment-Transport Capability in Erodible Channels, Shieh-Wen Mao and Leonard Rice, HY4:Jul 63:69:3569
Sediment-Transporting Characteristics of Streams, G.A. Zernial and E.M. Laursen, HY1: Jan 63:117:3396
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
Total Sediment Transport in the Lower Colorado River, John R. Sheppard (with discussion), TR:128I:721:3441
Turbulent Flow with Suspended Particles, Mikio Hino, HY4:Jul 63:161:3579

SEDIMENTATION
Analysis of Thickener Operation, Vaughn C. Behn and Jon C. Liebman, SA3:Jun 63:1:3535
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV: 347:3496

SEDIMENTATION Continued
Equilibrium Characteristics of Sand Beaches,, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Experimental Apparatus Studies Sediment Transport in Closed Conduits, H.A. Einstein and W.H. Graf, CE:Oct 63:52
Federal Interagency Sedimentation Conference to be held in January, CE:Jan 63:72
Forms of Bed Roughness in Alluvial Channels, D.B. Simons and E.V. Richardson (with discussion), TR:128I:284:3414
Mechanical Bypassing of Littoral Drift at Inlets, George M. Watts, TR:128IV:178:3455
Sediment in Small Reservoirs Due to Urbanization, Harold P. Guy and George E. Ferguson, TR:128I:982:3457
Sediment-Transport Capability in Erodible Channels, Shieh-Wen Mao and Leonard Rice, HY4:Jul 63:69:3569
Sediment-Transporting Characteristics of Streams, G.A. Zernial and E.M. Laursen, HY1:Jan 63:117:3396
Stabilization of Fivemile and Muddy Creeks, C.R. Miller and W.M. Borland, HY1:Jan 63: 67:3392

SEEPAGE
Depth and Spacing of Tile Drain Systems, H.Y. Hammad (with discussion), TR:128III:535:3517
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Seepage from Parallel Trapezoidal Channels, Ahmed El Nimr, EM4:Aug 63:1:3582
Seepage Meters in Seepage and Recharge Studies, Herman Bouwer and R.C. Rice, IR1: Mar 63:17:3448
Seepage Through Layered Anisotropic Porous Media, David K. Todd and Jacob Bear (with discussion), TR:128I:256:3413
Seepage Under Dams, Hammad Y. Hammad, SM4:Jul 63:25:3570

SETTLEMENT
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47: 3460
Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107: 3559
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486

SEWAGE
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395

SEWAGE DISPOSAL
Pre-Design Estimates in Civil Engineering Projects, William R. Park, CO2:Sept 63:11:3627
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Thermal Decomposition of Human Waste, Jimmie E. Quon and Wesley O. Pipes, SA1: Jan 63:1:3382
Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602

SEWAGE TREATMENT
Analysis of Thickener Operation, Vaughn C. Behn and Jon C. Liebman, SA3:Jun 63:1:3535
Detergent foam subject of joint study, CE:Apr 63:81
Effect of Paddle Design on Flocculation, Neil L. Drobny, SA2:Apr 63:17:3480
Free Energy as a Parameter in Biological Treatment, J.A. Servizi and R.H. Bogan, SA3:Jun 63:17:3539
Grit Unbalance in Sewage Flow Division, Y. Yoshimi and T.E. Stelson, SA2:Apr 63:61:3493
Mathematics of Complete-Mixing Activated Sludge, Ross E. McKinney (with discussion), TR:128III:497:3516
Trickling Filtration Design and Performance, W. Wesley Eckenfelder, Jr. (with discussion), TR:128III:371:3510
Wisconsin--Activated Sludge Plant for Milwaukee, Ray D. Leary and L.R. Howson, CE:Sep 63:44
Dsc: C.E. Keefer, CE:Nov 63:73

SEWERS
Metropolitan Drainage Planning in Los Angeles County, M.E. Salsbury, SA6:Dec 63:37:3739
Indiana--Richmond Sewer Extension Promotes Municipal Growth, William Edwin Ross and George Erganian, CE:Mar 63:48
Dsc: R.R. Bradshaw, unsafe condition pictured in article, CE:Jun 63:69
Minnesota--Storm Sewer Tunnel in St. Paul, John W. Bird, CE:Sep 63:51
Oregon--Interceptor Sewer Built in Lake Oswego, William J. Dorner and Walter J. Bushnell, CE:Mar 63:54
Pennsylvania--Philadelphia completes large storm relief sewer, CE:Jan 63:75
Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574

SHAFTS
Colorado--at NORAD Combat Operations Center--New Techniques for Backfilling Shafts, J.D. Davenport and J.C. King, CE:Oct 63:55
Minnesota--Storm Sewer Tunnel in St. Paul, John W. Bird, CE:Sep 63:51
New York--Freezing Aids Shaft Sinking for Tunnel under New York Harbor, George C. Stewart, William D. Gildersleeve, Stanley Jampole, and John E. Connolly, CE:Apr 63:52

SHEAR
Channel Stability in Undisturbed Cohesive Soils, Elliott M. Flaxman, HY2:Mar 63:87:3462

SHEAR Continued
Effective Stress Theory of Soil Compaction, Roy E. Olson, SM2:Mar 63:27:3457
Engineering Derivation of the Navier-Stokes Equations, H.A. Einstein, EM3:Jun 63:1:3533
Layered Systems Subjected to Surface Shears, R.A. Westman, EM6:Dec 63:177:3725
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4:Aug 63:389:3606
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II: 653:3489

SHELLS
Analysis of Prestressed Cylindrical Shell Roofs, Ryszard Dabrowski, ST5:Oct 63:91:3668
Buckling of Circular Arches Under Nonuniform Pressure, G. Wempner and T. Ewbank, EM4: Aug 63:17:3597
Buckling of Thin Shells Under External Pressure, A.E. Armenakas and G. Herrmann, EM3: Jun 63:131:3552
Consistent Approximations in Shell Theory, Placido Cicala, TR:128I:1203:3479
Limit Analysis of Cylindrical Shells, R.E. Ball and S.L. Lee, EM3:Jun 63:73:3544
Membrane Analysis of Shells, Donald L. Dean, EM5:Oct 63:65:3682
Re-entry Optimization and Synthesis Program, T.E. Hess, J.C. Bailey, and H.J. Most, ST4: Aug 63:249:3598
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR: 128I:897:3450

SHELL STRUCTURES
Phase I Report on Folded Plate Construction: Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, Robert E. Fulton, Chmn, ST6:Dec 63: 365:3741

SHELLS, THIN
Proceedings from World Conference on Shell Structures ready soon, CE:Mar 63:74

SHELTERS
Dsc, recommending trained management for fallout shelters, Frederick Willsea, CE:Oct 63:61
Elastic Rayleigh Wave Motions Due to Nuclear Blasts, Melvin L. Baron and Ronald Check, EM1:Feb 63:57:3432
Engineers qualified for fallout shelter analysis, CE:May 63:64
Firm to develop computer program for shelter plan, CE:May 63:73
Free Fallout-Shelter Design Data, E.S. Plotkin, CE:Oct 63:54
Guides on shelter construction available from Office of Civil Defense, CE:Jan 63:74
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498
Summer institutes on protective construction, CE:Feb 63:71
Virginia--Protective Structures Development Center, Office of Civil Defense, Fort Belvoir, dedicated, CE:Jan 63:60

SHIELDING
Nuclear Power in the Antarctic Environment, Philip W. Brewer, SA4:Aug 63:45:3609

SHIPS
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR: 128IV:56:3410

SHORE PROTECTION
Stabilization of Fivemile and Muddy Creeks, C.R. Miller and W.M. Borland, HY1:Jan 63: 67:3392

SHORES
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526

SILT
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406
Sediment-Transporting Characteristics of Streams, G.A. Zernial and E.M. Laursen, HY1:Jan 63:117:3396
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simons and Maurice L. Albertson (with discussion), TR:128I:65:3399

SLABS
Effect of Local Loss of Support on Foundation Design, F.E. Richart, Jr., and P. Zia (with discussion), TR:128I:1149:3476

SNOW
Flood Control Operation of Reservoirs, Leo R. Beard, HY1:Jan 63:1:3380

SOCIETIES OF ENGINEERS
American Sanitary Engineering Intersociety Board holds annual meeting, CE:Feb 63:41
American Society of Mechanical Engineers asks for Comment on drafting standard, CE:Feb 63:71
Colombian Association of Consulting Engineers holds first anniversary, CE:Oct 63:91
EJC issues directory of engineering societies, CE:Nov 63:76
Junior Engineering Technical Society elects officers, CE:Oct 63:76

SOCIETIES OF ENGINEERS Continued
Junior Engineering Technical Society seeks engineering talent, CE:Mar 63:73
EUSEC meeting in Munich, Germany, CE:Sep 63:67
Inst. of Electrical and Electronics Engineers announces new publications program, CE:Sep 63:83
International Relationships in Engineering, William H. Wisely, CE:Jun 63:31
Dsc: C.H.D. Harper, CE:Sep 63:63; Ramiro Parada, Oct 63:60; R.E. Coughlin, Nov 63:73

SOIL MECHANICS
Allowable Bearing Capacity of Initially Bent Piles, Bengt B. Broms, SM5:Sept 63:73:3651
ASCE to participate in Permafrost Conference, CE:Jun 63:75
Bibliography on Cement Grouting: Progress Report of the Committee on Grouting of the Soil Mechanics and Foundations Division, Judson P. Elston, Chmn, SM4:Jul 63:45:3575
Boundary Value Problems of Soil Mechanics, W.D. Liam Finn, SM5:Sept 63:39:3648
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr. (with discussion), TR:128I:949:3452
Colombia, S.A.--Placing Earth Fill for Troneras Dam, C.Y. Li, CE:Feb 63:37
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III:349:3499
Compression of Partially Saturated Cohesive Soils, Y. Yoshimi and J.O. Osterberg, SM4:Jul 63:1:3566
Data on permeability and capillarity of soils sought by ASTM, CE:Sep 63:84
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3:May 63:103:3514
Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3458
Earthquake Resistance of Sloping Core Dams, H.B. Seed, and R.W. Clough, SM1:Feb 63:209:3434
Effect of Local Loss of Support on Foundation Design, F.E. Richart, Jr., and P. Zia (with discussion), TR:128I:1149:3476
Effective Stress Theory of Soil Compaction, Roy E. Olson, SM2:Mar 63:27:3457
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407
Expansion of a Cavity in a Saturated Clay Medium, B. Ladanyi, SM4:Jul 63:127:3577
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47:3460
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
Hyperbolic Stress-Strain Response: Cohesive Soils, Robert L. Kondner, SM1:Feb 63:115:3429
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498
Influence of Geological Conditions on Uplift, W. Harold Stuart (with discussion), TR:128I:765:3443
Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631
Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531
Laterally Loaded Piles in a Layered Soil System, M.T. Davisson and H.L. Gill, SM3:May 63:63:3509
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2:Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57:3700
Model Studies of Beams Resting on a Silt Subgrade, Aleksander B. Vesić and Wesley H. Johnson, SM1:Feb 63:1:3406
Moving Step-Load on Half-Space of Granular Material, H.H. Bleich and E. Heer, EM3:Jun 63:97:3551
Oahe Dam: Geology, Embankment, and Cut Slopes, Donald K. Knight, SM2:Mar 63:99:3466
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67:3418
Pore Pressures in a Foundation Clay, T. William Lambe (with discussion), TR:128I:865:3448
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501
Properties of Roadbeds, Ira B. Mullis, HW1:Apr 63:81:3500
Seepage Under Dams, Hammad Y. Hammad, SM4:Jul 63:25:3570
Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Sixth International Conference on Soil Mechanics and Foundation Engineering--deadline for papers, CE:Dec 63:78
South Dakota--Lime Stabilizes Shale Subgrade on Interstate Highway, Richard O. Berg and Charles A. Piper, Jr., CE:Sep 63:35
Stability of Cuts in Soft Soils, T.C. Kenney, SM5:Sept 63:17:3647
Stability of Deep Cuts in Clay, W.D. Liam Finn, CE:Jun 63:67
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Study of Failure Envelope of Soils, T.H. Wu, A.K. Loh, and L.E. Malvern, SM1:Feb 63:145:3430
Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473

SOIL MECHANICS Continued
Symposium on Grouting: Grouting of Granular Materials, John C. King and Edward G.W. Bush (with discussion), TR:128I:1279:3486
Tennessee--Failure of a Side-Hill Highway Fill, William H. Rowan, Thomas R. Pierce, and Roger Webb, CE:May 63:40
Thin-wall Tube Sampler for Soft Soils, Harry R. Lee, Jr., CE:Jul 63:42
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simons and Maurice L. Albertson (with discussion), TR:128I:65:3399
Virginia--Foundation Problems on the Second Elizabeth River Tunnel, George J. Murphy and Isaac W. Tarshansky, CE:Jul 63:54
See also Foundations

SOLAR ENERGY
Estimating Evapotranspiration from Solar Radiation, Marvin E. Jensen and Howard R. Haise, IR4:Dec 63:15:3737

SPACE EXPLORATION
Air Force to have big aerospace test tunnel, CE:Jan 63:75
California--space systems center takes shape at Huntington Beach, CE:Jul 63:79
Florida--start of Moon Project at Merritt Island, CE:Feb 63:71; Nov 63:90
A Formidable Challenge--Will Engineers Maintain Their Place as Professionals in the Space Age?, A.M. Minton, CE:May 63:55
Texas--NASA flight accelerator at Houston, contracts let, CE:Apr 63:79; Jun 63:83

SPECIFICATIONS
Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646
Riveted and Bolted Joints: Fatigue of Bolted Structural Connections, C.W. Lewitt, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63: 49:3411
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453

SPILLWAYS (General)
Bibliography on the Hydraulic Design of Spillways: Progress Report of the Task Force on Hydraulic Design of Spillways of the Committee on Hydraulic Structures of the Hydraulic Division, S.M. Barnes, Chmn, Hy4:Jul 63:117:3573
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521
Flood Control Operation of Reservoir, Leo R. Beard, HY1:Jan 63:1:3380
Hood Inlet for Closed Conduit Spillways, Fred W. Blaisdell (with discussion), TR:128I:1:3393
Projected Nappes Subject to Transverse Pressure, H. Ivan Schwartz and Louis P. Nutt, HY4: Jul 63:97:3571
Wave Action at Spillways, Mohamed Mokhles Abou-Seida, HY3:May 63:133:3518

STANDARDS
American Society of Mechanical Engineers asks for comment on drafting standard, CE:Feb 63:71
American Society for Testing and Materials will use metric system in its standards, CE:Mar 63:88
Regulation of Pipeline Design and Construction: Progress Report of the Task Committee on Investigation of Problems Involved in the Regulation of Pipeline Design and Construction by Various Governmental Agencies, ASCE, Lewis E. Hoffmann, Chmn, PL1:Jan 63:1:3379
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Strength of Round Columns, Yuzuru Fujita and George C. Driscoll, Jr., TR:128II:466:3460
Uniform Requirements for Property Surveys, Winfield H. Eldridge, SU2:Jun 63:27:3537

STEEL
AISC conference studies new steel techniques, CE:Jun 63:80
AISC "Manual of Steel Construction" available, CE:Aug 63:86
Am. Inst. of Steel Construction publishes "Design Manual for Steel Plate Deck Bridges," CE:May 63:73
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Behavior of Prestressed Composite Steel Beams, Peter G. Hoadley, ST3:Jun 63:21:3534
Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731
Canada--Height Tripled for Toronto building, J.L. Kellermann, CE:Mar 63:31
Choosing the Best Structural Fastener, Henry J. Stetina, CE:Nov 63:50
Columns in Planar Continuous Structures, M. Ojalvo, and V. Levi, ST1:Feb 63:1:3408
Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472
Economies of High-Strength Steel for Reservoirs and Standpipes, James L. Fox, CE:Apr 63:60
Dsc: R.V. McGrath, CE:Jul 63:62
Economy of High Strength Steel Structural Members, Geerhard Haaijer (with discussion), TR:128II:820:3509
Effect of Cold-Straining on Structural Sheet Steels, Alexander Chajes, S.J. Britvec and George Winter, ST2:Apr 63:1:3477
Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419
Energy Relationships in Plastic Steel Structures, B. Rawlings, TR:128II:578:3480
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
Folded Plate Structures of Light Gage Steel, Arthur H. Nilson (with discussion), TR:128II: 848:3514
Galvanic Corrosion In Concrete Containing Calcium Chloride, T.E. Wright and I.H. Jenks, ST5:Oct 63:117:3669
Indiana--contract let for Bethlehem Steel plant at Burns Harbor, CE:May 63:72
Inelastic Lateral Buckling of Beams, Theodore V. Galambos, ST5:Oct 63:217:3683

STEEL Continued
Limit Design of Crossed Steel Beams, Aron Zaslavsky (with discussion), TR:128II:431:3456
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2: Mar 63:1:3450
Michigan--Highway Bridges with All-Steel Abutments, J.F. McDermott, CE:Feb 63:54
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop; Francis H. Ree, Taikyue Ree, and Henry Eyring; B.L. Averbach (with discussion), TR:128I:1319: 3488
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Recent Advances in the Design and Behavior of Concrete Bridges, Hubert Rüsch, TR:128II:881: 3519
Riveted and Bolted Joints: Fatigue of Bolted Structural Connections, C.W. Lewitt, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63: 49:3411
Riveted and Bolted Joints: Net Section Design, W.H. Munse and E. Chesson, Jr., ST1:Feb 63: 107:3413
Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63: 537:3614
Steel industry honors engineers, architects, designers, CE:Apr 63:79
Steel output, CE:Jun 63:81; CE:Aug 63:85; CE:Oct 63:91
Tests on a 120-ft-Span Prestressed Concrete Beam, G.D. Base and R.W. Rowe (with discussion), TR:128II:125:3404
U.S. Steel Corp. publishes "Building Design Data," CE:Dec 63:90
Vibration of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661
Wisconsin--Madison steam plant cited by AISC for architectural excellence, CE:Sep 63:83
Wisconsin--Milwaukee Has Highest Self-Supported Tower, Robert B. Rhodes, CE:Aug 63:48

STIFFNESS
Analysis of Arch Frames, F.P. Wiesinger, S.L. Lee, and D.L. Guell, ST5:Oct 63:15:3660
Consistent Mass Matrix for Distributed Mass System, John S. Archer, ST4:Aug 63:161:3591
Moment-Distribution Constants from Cardboard Analogs, Otakar Ondra (with discussion), TR: 128II:37:3398
Short Flexible Suspension Bridges for Heavy Trucks, Sven Olof Asplund (with discussion), TR:128II:927:3521
Simplified Formulation of Stiffness Matrices, Peter M. Wright, ST2:Apr 63:33:3478

STRAINS
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63: 17:3665
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR: 128I:819:3445
Effect of Cold-Straining on Structural Sheet Steels, Alexander Chajes, S.J. Britvec and George Winter, ST2:Apr 63:1:3477
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR: 128I:198:3408
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2: Mar 63:47:3460
Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468
Fracture of Plain Concrete, Joseph Glucklich, EM6:Dec 63:127:3715
Hyperbolic Stress-Strain Response: Cohesive Soils, Robert L. Kondner, SM1:Feb 63:115:3429
Interpretation of Moirē Patterns, A.J. Durelli, C.A. Sciammarella and V.J. Parks, EM2: Apr 63:71:3485
Moving Step-Load on Half-Space of Granular Material, H.H. Bleich and E. Heer, EM3: Jun 63:97:3551
Restraint of Structures Attached to Mass Concrete, Keith Jones (with discussion), TR:128II: 412:3454
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4:Aug 63:389:3606
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II: 653:3489

STREAM GAGING
California--A Moving Boatline for River Flow Measurement at Sacramento, F.C. Craig and Winchell Smith, CE:Sep 63:43

STREAMS
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680
Regime Criteria for Alluvial Streams, R.J. Garde and K.G. Ranga Raju, HY6:Nov 63:153: 3705
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63: 165:3706
Sediment-Transporting Characteristics of Streams, G.A. Zernial and E.M. Laursen, HY1:Jan 63:117:3396

STRENGTH OF MATERIALS
Buckling of Stepped Columns with Rotated Ends, Robert E. Sennett, III, and Sidney Shore, ST1: Feb 63:165:3415
Deflection and Slope of Beams with Varying I, Otakar Ondra, ST1:Feb 63:25:3409
Effect of Cold-Straining on Structural Sheet Steels, Alexander Chajes, S.J. Britvec and George Winter, ST2:Apr 63:1:3477

STRENGTH OF MATERIALS Continued
Freezing and Thawing Effects on Prestressed Concrete, M.J. Gutzwiller and F.E. Musleh (with discussion), TR:128II:152:3405
Method for Plastic Design of Frames, George J. Megarefs and Philip G. Hodge, Jr., ST1: Feb 63:197:3421
Minimum-Weight Design of Beams for Deflection, Ralph L. Barnett, TR:128I:221:3411
Moment-Distribution Constants from Cardboard Analogs, Otakar Ondra (with discussion), TR: 128II:37:3398
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Structural Synthesis with Buckling Constraints, Lucien A. Schmit, Jr. and William M. Morrow, ST2:Apr 63:107:3496

STRESS
Layered Systems Subjected to Surface Shears, R.A. Westmann, EM6:Dec 63:177:3725
Phase I Report on Folded Plate Construction: Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, Robert E. Fulton, Chmn, ST6:Dec 63: 365:3741

STRESSES
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63: 17:3665
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR: 128I:819:3445
Buckling of Thin Shells Under External Pressure, A.E. Armenakas and G. Herrmann, EM3: Jun 63:131:3552
Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427
Dead Load Stresses and the Instability of Slopes, L.E. Goodman and C.B. Brown, SM3: May 63:103:3514
Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63: 161:3721
Effective Stress Theory of Soil Compaction, Roy E. Olson, SM2:Mar 63:27:3457
Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408
Engineering Derivation of the Navier-Stokes Equations, H.A. Einstein, EM3:Jun 63:1:3533
Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468
Fracture of Plain Concrete, Joseph Glucklich, EM6:Dec 63:127:3715
Hyperbolic Stress-Strain Response: Cohesive Soils, Robert L. Kondner, SM1:Feb 63:115: 3429
Interpretation of Moiré Patterns, A.J. Durelli, C.A. Sciammarella and V.J. Parks, EM2: Apr 63:71:3485
Limit Analysis of Cylindrical Shells, R.E. Ball and S.L. Lee, EM3:Jun 63:73:3544
Matrix Derivation of the Folded Plate Equations, J.L. Meek, ST3:Jun 63:77:3549
Membrane Analysis of Shells, Donald L. Dean, EM5:Oct 63:65:3682
Plane Stress Analysis, C.W. McCormick, ST4:Aug 63:37:3581
Rigid-Plastic Analysis of General Structures, J.B. Martin, EM2:Apr 63:107:3488
Secondary Stresses in Parallel Wire Suspension Cables, Thomas Alan Wyatt (with discussion), TR:128II:97:3402
Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4:Aug 63:389:3606
Steady Creep of a Nonhomogeneous Plate, J.L. Sackman, TR:128I:1255:3484
Strength of Prestressed Concrete Pavements, Yutaka Osawa, TR:128II:607:3485
Stress-Dilatancy, Earth Pressures, and Slopes, P.W. Rowe, SM3:May 63:37:3507
Stresses in a Pressurized Box, H.D. Conway, ST2:Apr 63:95:3492
Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436
Strong Shock Formation in Bilinear Hardening Media, Samuel Sutcliffe, EM2:Apr 63:1:3471
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II: 896:3520
Transverse Normal Stress in Beams, J.L. Sackman, EM4:Aug 63:13:3590
Vibration of Circular Plates at Large Amplitudes, Thein Wah, EM5:Oct 63:1:3663
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II: 653:3489
Yielding at Varying Load Rates, A.M. DiGioia, Jr., and R.G. Crum, TR:128I:1119:3470

STRUCTURAL ENGINEERING
Analysis of Arch Frames, F.P. Wiesinger, S.L. Lee, and D.L. Guell, ST5:Oct 63:15:3660
Analysis of Circular Arches on Elastic Abutments, K.V. Swaminathan (with discussion), TR:128II:369:3449
Analysis of Composite Beam Bridges by Orthotropic Plate Theory, Vilis Vitols, Rodney J. Clifton, and Tung Au, ST4:Aug 63:71:3584
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414
Analysis of Large Movable Structures, Herbert Rothman and Philip Mason, ST4:Aug 63:353:3605
Analysis of Multi-Span, Gable Frames, John R. Harris (with discussion), TR:128II:755:3494
Analysis of Nonlinear Structures, John E. Goldberg and Ralph H. Richard, ST4:Aug 63: 333:3604
Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
Analysis of Prestressed Cylindrical Shell Roofs, Ryszard Dabrowski, ST5:Oct 63:91:3668
Analysis of Rigid Frames by Difference Equations, Hsien-San Tsang, ST2:Apr 63:127:3499
Analysis of Structures by System Theory, N.C. Lind (with discussion), TR:128II:786:3508

STRUCTURAL ENGINEERING Continued

Applications of Topology in Structural Analysis, William R. Spillers, ST4:Aug 63:301:3600

Bar-Chain Method for Analyzing Truss Deformation, S.L. Lee and P.C. Patel (with discussion), TR:128II:74:3401

Behavior of Prestressed Composite Steel Beams, Peter G. Hoadley, ST3:Jun 63:21:3534

Bibliography on the Use of Digital Computers in Structural Engineering: Progress Report of the Task Group of the Subcommittee on Publications of the Committee on Electronic Computation of the Structural Division, ASCE, George F. Booss, Chmn, ST6:Dec 63:461:3740

Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445

Buckling of Stepped Columns with Rotated Ends, Robert E. Sennett, III, and Sidney Shore, ST1: Feb 63:165:3415

Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731

Canada--Height Tripled for Toronto building, J.L. Kellermann, CE:Mar 63:31

Canada and U.S.--Sault Ste. Marie International Bridge--Design and Construction, C.H. Gronquist, CE:May 63:31

Choosing the Best Structural Fastener, Henry J. Stetina, CE:Nov 63:50

Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and William G. Mooney, TR:128II:629:3487

Columns in Planar Continuous Structures, M. Ojalvo, and V. Levi, ST1:Feb 63:1:3408

Computer Study of Dynamic Behavior of Piling, Charles H. Samson, Jr., Teddy J. Hirsch, and Lee L. Lowery, Jr., ST4:Aug 63:413:3608

Concrete Reactor Shield, Harvey L. Meyer, TR:128III:266:3472

Corrected Deflection Theory of Suspension Bridges, John Szidarovsky (with discussion), TR:128II:1:3397

Consistent Mass Matrix for Distributed Mass Systems, John S. Archer, ST4:Aug 63:161:3591

Constant Shear Moment Distribution, Michael Jordan, ST6:Dec 63:43:3717

Creep Buckling of Reinforced Concrete Columns, Samuel Mauch and M.J. Holley, ST4:Aug 63:451:3610

Critical Buckling Loads for Tapered Columns, James M. Gere and Winfred O. Carter (with discussion), TR:128II:736:3490

Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427

Deflection and Slope of Beams with Varying I, Otakar Ondra, ST1:Feb 63:25:3409

Deflection Theory of Arches, S.O. Asplund (with discussion), TR:128II:307:3439

Design of Composite Beams for Highway Bridges, K. Ketchek, CE:Jul 63:60

Determination of Elastic Critical Loads, Leonard K. Stevens and Lewis C. Schmidt, ST6: Dec 63:137:3723

Dynamic Bending of Elastic Columns, Herbert R. Bailey, ST4:Aug 63:95:3585

Dynamic Flexibility Matrix Analysis of Frames, K.W. Levien and B.J. Hartz, ST4:Aug 63:515: 3612

Dynamic Nonlinear Response of Reinforced Concrete Arches, Vijay N. Gupchup and John M. Biggs, ST4:Aug 63:225:3596

Dynamic Pressure of Granular Material in Deep Bins, Alexander M. Turitzin, ST2:Apr 63: 49:3479

Dynamic Response of Lattice-Type Structures, Bruce E. Berger and Sidney Shore, EM2:Apr 63: 47:3484

Dynamics of a Large Steerable Radio Telescope Antenna, William Weaver, Jr., and Thomas R. Kane, ST4:Aug 63:55:3583

Economic Advantages of Ultimate-Strength Design, Thomas W. Taylor, CE:Nov 63:65

Economy of High Strength Steel Structural Members, Geerhard Haaijer (with discussion), TR:128II:820:3509

Effect of Cold-Straining on Structural Sheet Steels, Alexander Chajes, S.J. Britvec and George Winter, ST2:Apr 63:1:3477

Eigen-Matrix Method for Beams and Plates, Bennosuke Tanimoto, ST5:Oct 63:173:3681

Elastic-Plastic Deformations of Steel Structures, Kurt H. Gerstle and Vassilios Zarboulas, ST1:Feb 63:179:3419

Elasto-Plastic Analysis by Numerical Procedures, Annabel L. Tong (with discussion), TR:128I:198:3408

Energy Relationships in Plastic Steel Structures, B. Rawlings, TR:128II:578:3480

Engineering Approach to Information Processing, Walter M. Carlson, ST4:Aug 63:31:3595

Error Statistics for Reinforced Concrete Beams, Theodore Zsutty, ST6:Dec 63:235:3732

Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446

Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426

Fire Protection for Aluminum Alloy Structural Shapes, J.G. Kaufman and R.C. Kasser, CE:Mar 63:46

Flexibility Method of Coupling Redundant Complex Structures, Claus J. Meissner and Robert S. Levy, ST6:Dec 63:326:3742

Flexural Calculation of Nonuniform Members, Shou-ling Wang, ST6:Dec 63:271:3735

Flow Graphs in Structural Analysis, Kurt H. Gerstle (with discussion), TR:128II:169:3406

Folded Plate Analysis by Minimum Energy Principle, M.N. Fialkow, TR:128II:534:3468

Folded Plate Structures of Light Gate Steel, Arthur H. Nilson (with discussion), TR:128II: 848:3514

Freezing and Thawing Effects on Prestressed Concrete, M.J. Gutzwiller and F.E. Musleh (with discussion), TR:128II:152:3405

General Computer Program for Limit Analysis, Chu-Kia Wang, ST6:Dec 63:101:3719

Grid Analysis by the Reaction Distribution Method, Irving Fader (with discussion), TR: 128II:255:3428

Illinois--Engineers as Real Estate Developers, Paul Rogers and George A. Kennedy, CE:Jun 63:33

STRUCTURAL ENGINEERING Continued

Inelastic Lateral Buckling of Beams, Theodore V. Galambos, ST5:Oct 63:217:3683

Integrated Structural Steel Design Program, A.H. Palmer, K. Balkus, C.A. Veldon, and H.T. Blomquist, PO1:Sept 63:67:3649

Iterative Method in Frame Analysis, Paul Lustgarten, ST2:Apr 63:75:3481

Large Capacity of Multistory Frame Analysis Programs, Ray W. Clough, Edward L. Wilson, and Ian P. King, ST4:Aug 63:179:3592

Limit Analysis of Cylindrical Shells, R.E. Ball and S.L. Lee, EM3:Jun 63:73:3544

Limit Analysis of Grid Frameworks, F.S. Shaw, ST5:Oct 63:1:3658

Limit Design of Crossed Steel Beams, Aron Zaskavsky (with discussion), TR:128II:431:3456

Long Bolted Joints, Robert A. Bendigo, Roger M. Hansen, and John L. Rumpf, ST6:Dec 63: 187:3727

Man-Machine Communication in Civil Engineering, C.L. Miller, ST4:Aug 63:5:3594

Matrix Analysis of Semi-Rigidly Connected Frames, G.R. Monforten and T.S. Wu, ST6: Dec 63:13:3713

Matrix Derivation of the Folded Plate Equations, J.L. Meek, ST3:Jun 63:77:3549

Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532

Method for Plastic Design of Frames, George J. Megarefs and Philip C. Hodge, Jr., ST1: Feb 63:197:3421

Metal Work Design of High Intensity Radiation Cells, John M. Ruddy, TR:128II:568:3473

Method of Internal Constraints and its Application, Enrico Volterra, TR:128I:509:3429

Michigan--Detroit's Automated Post Office, V.F. Leabu, CE:Mar 63:34

Dsc: J.W. Silliman, CE:Jun 63:69

Moment Coefficients for Frame Analysis, F.P. Wiesinger, S.L. Lee and J.F. Fleming, ST6: Dec 63:1:3712

Moment-Distribution Constants from Cardboard Analogs, Otakar Ondra (with discussion), TR:128II:37:3398

Natural Periods of Vibration of Buildings, G.W. Housner and A.G. Brady, EM4:Aug 63:31:3613

Network Analogy for Linear Structures, W.R. Spillers, EM4:Aug 63:21:3601

Network-Topological Formulation of Structural Analysis, Steven J. Fenves and Franklin H. Branin, Jr., ST4:Aug 63:483:3611

New York World's Fair 1964-1965--Building Trends, William Whipple, Jr., CE:May 63:36

Dsc: L. Zetlin, CE:Aug 63:63

Non-Destructive Testing in Civil Engineering, C.W. Britzius, CE:Jan 63:21

Nonlinear Behavior of Structural Plane Frames, S.A. Saafan, ST4:Aug 63:557:3615

Numerical Methods in Bending and Buckling of Plates, A.N. Sherbourne, ST4:Aug 63:137:3588

Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3: Jun 63:107:3559

Optimum Solution Techniques for Finite-Difference Equations, Richard N. White, ST4: Aug 63:115:3587

Phase I Report on Folded Plate Construction: Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, Robert E. Fulton, Chmn, ST6:Dec 63: 365:3741

Philosophy of Engineering Design of Structures, Malcolm S. Gregory, ST6:Dec 63:119:3722

Plane Stress Analysis, C.W. McCormick, ST4:Aug 63:37:3581

Plastic Analysis of Circular Balcony Girders, Kuang-Han Chu and Arthur Thelen, ST6:Dec 63: 159:3726

Point of Zero Shear on Retaining Walls, Robert E. McLaughlin, CE:Aug 63:61

Principle of Virtual Work in Structural Analysis, Frank L. DiMaggio (with discussion), TR:128II:183:3407

Recent Advances in the Design and Behavior of Concrete Bridges, Hubert Rüsch, TR:128II:881: 3519

Re-entry Optimization and Synthesis Program, T.E. Hess, J.C. Bailey, and H.J. Most, ST4: Aug 63:249:3598

Reliability Framework for Structural Design, Howard L. Leve, ST4:Aug 63:315:3603

Riveted and Bolted Joints: Fatigue of Bolted Structural Connections, C.W. Lewitt, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63: 49:3411

Riveted and Bolted Joints: Net Section Design, W.H. Munse and E. Chesson, Jr., ST1:Feb 63: 107:3413

Riveted and Bolted Joints: Truss-Type Tensile Connections, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:67:3412

Restraint of Structures Attached to Mass Concrete, Keith Jones (with discussion), TR:128II: 412:3454

Secondary Stresses in Parallel Wire Suspension Cables, Thomas Alan Wyatt (with discussion), TR:128II:97:3402

Short Flexible Suspension Bridges for Heavy Trucks, Sven Olof Asplund (with discussion), TR:128II:927:3521

Simplified Formulation of Stiffness Matrices, Peter M. Wright, ST2:Apr 63:33:3478

Simplified Sag-Tension Equations for Power Lines, Francis J. Hubert, TR:128III:214:3464

Solution of Nonlinear Shear Lag Problems, Natarajan Krishnamurthy and James Chinn, ST4: Aug 63:389:3606

Stability of Elasto-Plastic Wide-Flange Columns, George F. Hauck and Seng-Lip Lee, ST6:Dec 63:297:3738

Stability of Frames Under Primary Bending Moments, Le-Wu Lu, ST3:Jun 63:35:3547

Statical Indeterminacy and Stability of Structures, Frank L. DiMaggio, ST3:Jun 63:63:3548

Steel Column Design for Multistory Rigid Frames, C.F. Beck and M. Zar, ST4:Aug 63: 537:3614

Strength of Prestressed Concrete Pavements, Yutaka Osawa, TR:128II:607:3485

Strength of Round Columns, Yuzuru Fujita and George C. Driscoll, Jr., TR:128II:466:3460

Stresses in a Pressurized Box, H.D. Conway, ST2:Apr 63:95:3492

Stresses at a Re-Entrant Corner of a Plate, Mario G. Salvadori, TR:128II:284:3436

STRUCTURAL ENGINEERING Continued
Structural Analysis of Solids, Robert J. Melosh, ST4:Aug 63:205:3593
Structural Engineering Conf., San Francisco, Oct. 7-11, 1963: CE:Jan 63:62; May 63:44; Jul 63:43; Aug 63:44; Program, Aug 63:64; Oct 63 62-72; Nov 63:42; Dec 63:77
Structural Synthesis and Design Parameter Hierarchy, Lucien A. Schmit, Jr., and Robert H. Mallett, ST4:Aug 63:269:3599
Structural Synthesis with Buckling Constraints, Lucien A. Schmit, Jr. and William M. Morrow, ST2:Apr 63:107:3496
Structure Design Governed by Limited Deformations, Jacob Solomon, ST6:Dec 63:71:3718
Survey of European Concrete Crossties, Walter E. Kunze (with discussion), TR:128II:483:3462
Tests on a 120-ft-Span Prestressed Concrete Beam, G.D. Base and R.W. Rowe (with discussion), TR:128II:125:3404
Texas--Baytown Cracking Unit Strengthened for Wind Forces, Bennett W. Burns, CE:Dec 62:40
Dsc: L.H. Blakey, CE:Feb 63:58; reply by Bennett W. Burns, CE:Mar 63:69
Texas--Parking Garage in Downtown Houston Extended, Arnoldo Longoria, CE:Mar 63:57
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II: 896:3520
Tornados--Effect on Buildings, Frank E. Burkett, CE:Jan 63:51
Corr, Paul E. Pedersen, CE:Apr 63:61
Transient Response of Nonlinear Systems, P.F. Cuniff, EM2:Apr 63:19:3474
Two-Hinged Arches, Digital Computer Analysis and Design, Ira Hooper and P.C. Wang, CE:Dec 63:67
Ultimate Load of H-Columns Under Biaxial Bending, Charles Birnstiel and James Michalos, ST2:Apr 63:161:3503
Use of Critical Path Techniques, Charles W. Zahler, ST4:Aug 63:151:3589
Variational Considerations for Elastic Beams and Shells, Eric Reissner (with discussion), TR:128I:897:3450
Vibration Analysis for Structural Floor Systems, Lawrence R. Burkhardt (with discussion), TR:128II:290:3438
Vibration of Circular Plates at Large Amplitudes, Thein Wah, EM5:Oct 63:1:3663
Vibration of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661
Virginia--Chesapeake Bay Bridge-Tunnel Project (symposium): 1. Engineering Design, L.J. Sverdrup, CE:Dec 63:44; 2. Two Tunnels and Four Islands, Joseph Peraino, Dec 63:47; 3. Bridge and Trestle Construction, John W. Fowler, Dec 63:50
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II: 653:3489
Wisconsin--Milwaukee Has Highest Self-Supported Tower, Robert B. Rhodes, CE:Aug 63:48
Zero Sidesway of Rigid Frames, A.J. Celis and P. Glockner, ST5:Oct 63:65:3662

SUBDIVISIONS
Land Surveying and Land Registration, J.G. McEntyre and A.J. McNair, SU1:Feb 63:59: 3437

SUBMERGENCE
The Submerged Hydraulic Jump, N.S. Govinda Rao and N. Rajaratnam, HY1:Jan 63:139:3404

SUBSIDENCE
Effect of Local Loss of Support on Foundation Design, F.E. Richart, Jr., and P. Zia (with discussion), TR:128I:1149:3476
Land Subsidence Problems, Raymond F. Dawson, SU2:Jun 63:1:3531

SURVEYING
Accuracy of Tellurometer Over Short Distances, Simo H. Laurila, SU3:Oct 63:77:3671
Aerial Traverse and Maximum Bridging Distance, Sandor A. Veres, SU3:Oct 63:157:3679
Cadastral Surveying in Alaska, Franklin K. Van Zandt, SU2:Jun 63:55:3553
Control Traverses and Their Adjustment, Everett D. Morse, SU2:Jun 63:39:3546
Education Requirements in Surveying and Geodesy, Carl I. Aslakson, SU1:Feb 63:53:3427
Electronic Surveying: Accuracy of Electronic Positioning Systems, Henry W. Bigelow, SU3: Oct 63:37:3670
Electronic Surveying: Electronic Distance Measurements, A.E. Harrison, SU3:Oct 63: 97:3672
Error Problems in Aerial Photogrammetry, Sumner B. Irish, SU2:Jun 63:65:3557
First Peace Corps Surveyors and Engineers, R.C. Brinker, SU2:Jun 63:13:3536
Geodesy and the Torsion Balance, Ivan I. Mueller, SU3:Oct 63:123:3678
Geodetic Engineering Education in West Germany, Milton O. Schmidt, SU1:Feb 63:45:3425
Land Surveying and Land Registration, J.G. McEntyre and A.J. McNair, SU1:Feb 63:59:3437
Measuring the Precision of a Level, Sumner B. Irish, SU1:Feb 63:35:3424
Orthonormal Equations for Surveying Adjustment, H.L. Su, SU1:Feb 63:77:3438
Photogrammetric Determination of Azimuth, Michael S. Tavenner and Paul B. Swenson, SU3: Oct 63:7:3664
Photogrammetric Engineering and Reservoir Planning, Pliny Gale, SU1:Feb 63:113:3443
Pipeline Location: Special Surveys-I: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:7:3388
Pipeline Location: Special Surveys-II: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:17:3389
Problems in Property Surveys and Right-of-Way Mapping, Frank Bonacci, SU1:Feb 63:91: 3439
Role of Surveying in Civil Engineering Education, Milton O. Schmidt, SU1:Feb 63:27:3420
Scintillation and the Surveyor, Lee D. Miller, SU1:Feb 63:13:3417

SURVEYING Continued
Solar-Altitude Azimuths, Paul Hartman, SU1: Feb 63:1:3410
Strength of Figure Equation in Triangulation, Sumner B. Irish, SU2:Jun 63:75:3564
Surveyors' Footsteps, W.C. Wattles, SU3: Oct 63:1:3659
Surveys for the Lake Pontchartrain Bridge, James M. Tuttle (with discussion), TR:128IV: 42:3409
Surveys and Maps for Industrial Growth, Earle J. Fennell, SU3:Oct 63:117:3673
Uniform Requirements for Property Surveys, Winfield H. Eldridge, SU2:Jun 63:27:3537

SURVEYING AND MAPPING
American firm to survey Iran, CE:Nov 63:94
Professional Practice of Surveying and Mapping Within Civil Engineering, report of ASCE Task Sub-committee, CE:Nov 63:56
Virginia--Chesapeake Bay Bridge-Tunnel Survey, P.Z. Michener and E.O. Heaton, CE:Jun 63:54
See also Photogrammetry

SURVEY MAPS
Electronic Surveys in New Brunswick, Gottfried Konecny and Willis F. Roberts, SU3: Oct 63:17:3666

TANKS
Economies of High-Strength Steel for Reservoirs and Standpipes, James L. Fox, CE:Apr 63:60
Dsc: R.V. McGrath, CE:Jul 63:62

TELESCOPES
West Virginia--world's largest radio telescope put in service, CE:Jan 63:72

TELEVISION
New York--underwater TV used to inspect highway foundations, CE:Feb 63:73
TV program to encourage exchange of scientific and engineering information, CE:Dec 63:27

TENNESSEE VALLEY AUTHORITY
See Dams, Recreation

TERMINALS
Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR:128IV:56:3410
Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425

TESTING
Accuracy of Current Meter Measurements, Rolland W. Carter and Irving E. Anderson, HY4: Jul 63:105:3572
Annual Variation of Stream Water Temperature, J.C. Ward, SA6:Dec 63:1:3710
Buckling Behavior Above the Tangent Modulus Load, Bruce G. Johnston (with discussion), TR:128I:819:3445
Calibration of A325 Bolts, John L. Rumpf and John W. Fisher, ST6:Dec 63:215:3731
Channel Changes in the St. Clair River Since 1933, Ira M. Korkigian, WW2:May 63:1:3511
Cohesion After Non-Hydrostatic Consolidation, John H. Schmertmann and John R. Hall, Jr. (with discussion), TR:128I:949:3452
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, Robert M. Barnoff and William G. Mooney, TR:128II:629:3487
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III: 349:3499
Dead-Load Stress in Model Dams by Method of Integration, Jerome M. Raphael (with discussion), TR:128II:234:3427
Dispersion-Permeability Correlation in Porous Media, D.R.F. Harleman, P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
Dynamic Pressure of Granular Material in Deep Bins, Alexander M. Turitzin, ST2:Apr 63: 49:3479
Earthquake Resistance of Sloping Core Dams, H.B. Seed and R.W. Clough, SM1:Feb 63:209: 3434
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Effect of Paddle Design on Flocculation, Neil L. Drobny, SA2:Apr 63:17:3480
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407
Experimental and Analytical Study of a Folded Plate, A.C. Scordelis, E.L. Croy and I.R. Stubbs (with discussion), TR:128II:342:3446
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR: 128III:103:3419
Field Study of a Cellular Bulkhead, Ardis White, James A. Cheney, and C. Martin Duke (with discussion), TR:128I:463:3426
Flexibility of Clay and Cracking of Earth Dams, G.A. Leonards and J. Narain, SM2:Mar 63:47 3460
Fluorescent Tracers for Dispersion Measurements, Donald L. Feuerstein and Robert E. Selleck, SA4:Aug 63:1:3586
Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
Freezing and Thawing Effects on Prestressed Concrete, M.J. Gutzwiller and F.E. Musleh (with discussion), TR:128II:152:3405
Granulometric Properties of Cement Stabilized Sands, B.G. Hutchinson, SM3:May 63:95:3510
Hydraulic Model Tests of Estuarial Waste dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Hyperbolic Stress-Strain Response: Cohesive Soils, Robert L. Kondner, SM1:Feb 63:115:3429
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498

TESTING Continued
Jet Discharge into a Fluid with a Density Gradient, William E. Hart (with discussion), TR:128I:1358:3493
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395
Load Transfer in End-Bearing Steel H-Piles, E. D'Appolonia and J.P. Romualdi, SM2:Mar 63:1:3450
Load Transfer in a Step-Taper Pile, E. D'Appolonia and J.A. Hribar, SM6:Nov 63:57:3700
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
Measuring the Precision of a Level, Sumner B. Irish, SU1:Feb 63:35:3424
Physical Metallurgy and Mechanical Properties of Materials (Symposium), Joseph F. Throop; Francis H. Ree, Taikyue Ree, and Henry Eyring; B.L. Averbach (with discussion), TR:128I:1319:3488
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432
Prediction of Swelling Potential for Compacted Clays, H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren (with discussion), TR:128I:1443:3501
Prestressed Concrete Pavement Practices, F.M. Mellinger, TR:128IV:149:3424
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Shear Strength of an Anisotropically Consolidated Clay, Bengt B. Broms and M.V. Ratnam, SM6:Nov 63:1:3691
Shear Strength Properties of a Sodium Illite, Roy E. Olson, SM1:Feb 63:183:3431
Shear Strength of Sands During Rapid Loadings, Robert V. Whitman and Kent A. Healy (with discussion), TR:128I:1553:3503
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1:Feb 63:1:3428
Statistical Evaluation of Concrete Tests, P.D. Cady, CO1:Mar 63:19:3453
Strength of Round Columns, Yuzuru Fujita and George C. Driscoll, Jr., TR:128II:466:3460
Study of Failure Envelope of Soils, T.H. Wu, A.K. Loh, and L.E. Malvern, SM1:Feb 63:145:3430
Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
Subgrade Stabilization Under an Existing Runway, S. Chas. Dearstyne and Gene J. Newman, AT1:Apr 63:1:3473
Tests of Concrete Pavements on Crushed Stone, L.D. Childs and J.W. Kapernick, HW1:Apr 63:57:3497
Tests on a 120-ft-Span Prestressed Concrete Beam, G.D. Base and R.W. Rowe (with discussion), TR:128II:125:3404
Theory and Test Results on the Fatigue of Metals, F. Stuessi (with discussion), TR:128II:896:3520
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390
Yielding at Varying Load Rates, A.M. DiGioia, Jr., and R.G. Crum, TR:128I:1119:3470

TESTS
Non-Restructive Testing in Civil Engineering, C.W. Britzius, CE:Jan 63:21

TESTS AND TESTING
Dissipation of Elastic Wave Energy in Granular Soils, J.R. Hall, Jr., and F.E. Richart, Jr., SM6:Nov 63:27:3698
Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736

TIDES
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Hurricane Studies of New York Harbor, Samuel Gofseyeff and Frank L. Panuzio (with discussion), TR:128IV:394:3505
Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602

TIES
Analysis and Design of Struts with Tension Ties, Kuang-Han Chu and Sigmon S. Berge, ST1:Feb 63:127:3414

TILES
Unsteady Flow of Ground Water into Drain Tile, R.H. Brooks (with discussion), TR:128III:117:3420

TIMBER
Illinois--Timber Piles Reused in Place for Chicago Garage, Eugene A. Dubin, CE:Jun 63:39
Maryland--Reconstructing a Covered Timber Bridge in Baltimore County, Albert S. Salkowski, CE:Oct 63:36
Pile Heave and Redriving, Earle J. Klohn (with discussion), TR:128I:557:3432

TOPOGRAPHY
Pipeline Location: Special Surveys-1: Progress Report by the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, E.O. Scott, Chmn, PL1:Jan 63:7:3388

TOPOLOGY
Applications of Topology in Structural Analysis, William R. Spillers, ST4:Aug 63:301:3600
Network Analogy for Linear Structures, W.R. Spillers, EM4:Aug 63:21:3601
Network-Topological Formulation of Structural Analysis, Steven J. Fenves and Franklin H. Branin, Jr., ST4:Aug 63:483:3611

TORSION
Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665

TOWERS
Analysis of Large Movable Structures, Herbert Rothman and Philip Mason, ST4:Aug 63: 353:3605
Australia--contract for U.S. Navy radio communication towers let, CE:Sep 63:82
Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532
Wisconsin--Milwaukee has Highest Self-Supported Tower, Robert B. Rhodes, CE:Aug 63:48

TRACERS
Dye Dispersion Studies, Alex N. Diachishin, SA1:Jan 63:29:3386
Fluorescent Tracers for Dispersion Measurements, Donald L. Feuerstein and Robert E. Selleck, SA4:Aug 63:1:3586
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394

TRAFFIC
Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6: Dec 63:97:3729
Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724
Analytic Methods in Transportations: Operations Research in Tunnel Traffic Control, Leslie, C. Edie, EM6:Dec 63:15:3716
Analytic Methods in Transportation: Systems Analysis for Arterial Street Operation, Charles Pinnell and Gilbert T. Satterly, Jr., EM6:Dec 63:67:3728
Auto Trips to the Central Business District, John A. Dearinger, TR:128IV:278:3482
Digital Simulation of Traffic, Aaron Glickstein, EM6:Dec 63:1:3709
Dsc, deploring too many traffic signals, Albert Levitt, CE:Feb 63:58
New Concepts of Urban Freeway Interchanges, Donald W. Loutzenheiser (with discussion), TR: 128IV:332:3492
Nominations open for Traffic Safety Award, CE:Aug 63:85
Parking and Circulation of Vehicular Traffic at Airports, Israel Gilboa, TR:128IV:164:3425
Predicting the Modal Split in Pittsburgh, Louis E. Keefer, HW1:Apr 63:13:3469
Traffic Behavior and Freeway Ramp Design, Charles Pinnell and Charles J. Keese (with discussion), TR:128IV:1:3396
Traffic Engineers elect officers, CE:Dec 63:91

TRANSIT SYSTEMS
Capacity of Urban Transportation Modes, Walter S. Rainville and Wolfgang S. Homburger, HW1:Apr 63:37:3489
Predicting the Modal Split in Pittsburgh, Louis E. Keefer, HW1:Apr 63:13:3469

TRANSMISSION LINES
Colorado River power transmission-line contract let, CE:Aug 63:87
Georgia--Environmental Factors in Transmission-Line Design, E.A. Roberts, CE:Jun 63:49
High-voltage lines for 15 Western states, CE:Jun 63:80
North Dakota--Contract let for Yellowtail Dawson transmission line, CE:Dec 63:92
Oregon--high-voltage line to California, CE:Mar 63:90

TRANSPORTATION
ASCE Cincinnati Transportation Engineering Conference, Feb. 16-21, 1964: previewed, CE:Dec 63:42; program, Dec 63:69
Capacity of Urban Transportation Modes, Walter S. Rainville and Wolfgang S. Homburger, HW1:Apr 63:37:3489
Correlation of Future Vehicle and Highway Design, Kenneth A. Stonex, TR:128IV:302:3483
An Expression for Bed-Load Transportation, M. Selim Yalin, HY3:May 63:221:3525
First transportation census planned for 1963, CE:Jan 63:73
Pan American Passenger Terminal at Idlewild Airport, Walther Prokosch, AT1:Apr 63:67:3495
Planning service offered by three firms, CE:Feb 63:73
Predicting the Modal Split in Pittsburgh, Louis E. Keefer, HW1:Apr 63:13:3469
Principles of a sound transportation policy adopted by ASCE Board, CE:Jul 63:52
Urban Transportation Research Conference to be held at Andover, N.H., CE:Jul 63:65
See also Railroads, Rapid Transit, Waterways and Harbors

TRUSSES
Bar-Chain Method for Analyzing Truss Deformation, S.L. Lee and P.C. Patel (with discussion), TR:128II:74:3401
Matrix Solution of Force Relaxation Method, Chuan C. Feng, ST3:Jun 63:1:3532
Riveted and Bolted Joints: Truss-Type Tensile Connections, E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:67:3412
Structural Synthesis with Buckling Constraints, Lucien A. Schmit, Jr. and William M. Morrow, ST2:Apr 63:107:3496

TUNNELS
Analytic Methods in Transportations: Operations Research in Tunnel Traffic Control, Leslie C. Edie, EM6:Dec 63:15:3716
Australia--Machine Tunneling in Tasmania, Henry H. Thomas, CE:Mar 63:60
B. & O. completes tunnel improvement program, CE:Dec 63:88
California--Tunnel Driving for Relocation of Railroad above Oroville Dam, Harold E. Russel, CE:Feb 63:43
Design Features of Glen Canyon Dam, Ernest R. Schultz, TR:128III:236:3471
Design and Performance of Mammoth Pool Power Tunnel, Bruce R. Laverty and Klaus R. Ludwig, PO1:Sept 63:9:3642
English Channel crossing by bridge-tunnel studied, CE:Sep 63:84
Minnesota--Storm Sewer Tunnel in St. Paul, John W. Bird, CE:Sep 63:51
New York--Freezing Aids Shaft Sinking for Tunnel under New York Harbor, George C. Stewart, William K. Gildersleeve, Stanley Jampole, and John E. Connolly, CE:Apr 63:52

TUNNELS Continued
Oahe Dam: Influence of Shale on Oahe Power Structures Design, E.A. Johns, R.G. Burnett, and C.L. Craig, SM1:Feb 63:95:3423
Pomme de Terre Dam of Earth and Rockfill, L.G. Elser and D.E. Schuster, SM1:Feb 63:67:3418
Virginia--Chesapeake Bay Bridge-Tunnel Project, (symposium): 1. Engineering Design, L.J. Sverdrup, CE:Dec 63:44; 2. Two Tunnels and Four Islands, Jospeh Peraino, Dec 63:47; 3. Bridge and Trestle Construction, John W. Fowler, Dec 63:50
Virginia--Chesapeake Bay Bridge-Tunnel Survey, P.Z. Michener and E.O. Heaton, CE:Jun 63:54
Virginia--Foundation Problems on the Second Elizabeth River Tunnel, George J. Murphy and Isaac W. Tarshansky, CE:Jul 63:54
See also Shafts

TURBINES
Buy American turbines, CE:Apr 63:81
Washington--hydraulic turbines for Wells Dam Project, CE:Jul 63:77

TURBULENCE
Diffusion in a Sectionally Homogeneous Estuary, Richard Kent (with discussion), TR:128III:1:3392
Flow Characteristics of Axisymmetric Expansions, M.C. Chaturvedi, HY3:May 63:61:3515
Jet Discharge into a Fluid with a Density Gradient, William E. Hart (with discussion), TR:128I:1358:3493
Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631
Mixing of a Turbulent Wall-Jet into a Free-Stream, S. Eskinazi and V. Kruka, TR:128I:1055:3463
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Turbulent Diffusion and Anemometer Measurements, Lionel V. Baldwin and William R. Mickelsen (with discussion), TR:128I:1595:3507
Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491
Turbulent Flow in Rectangular Ducts, Hans J. Leutheusser, HY3:May 63:1:3508
Turbulent Flow with Suspended Particles, Mikio Hino, HY4:Jul 63:161:3579

UNITED ENGINEERING CENTER
Ford Foundation grant to aid financing, CE:Feb 63:41
MIT opens alumni headquarters in, CE:Nov 63:49
UET reports on fund raising for Center, CE:Jan 63:60
United Engineering Trustees elects officers, CE:Jan 63:27
A Word with the Secretary About the United Engineering Center, William H. Wisely, CE:Dec 63:31

UNITED ENGINEERING TRUSTEES
See United Engineering Center

URBAN RENEWAL
Corrections and additions, R. Enriquez R., CE:Sep 63:64
Maryland--Baltimore Builds Charles Center to Revitalize Downtown Area, E.S. Deakyne, CE:Aug 63:54
Mexico--A New Project for Mexico City, Romeo Enriquez R. and Alejandro Fierro, CE:Jun 63:36
Oregon--new project for Portland, CE:Feb 63:74

U.S. AIR FORCE
Colorado--At NORAD Combat Operations Center--New Techniques for Backfilling Shafts, J.D. Davenport and J.C. King, CE:Oct 63:55

U.S. BUREAU OF RECLAMATION
Many big projects on 1963 agenda, CE:Feb 63:73

U.S. CORPS OF ENGINEERS
Eliminates eastern ocean district, CE:Sep 63:81
New District Engineer office at Cape Canaveral, CE:May 63:74

UNITED STATES GOVERNMENT
Civil Engineers in Government Service, E.E. Halmos, Jr., CE:Dec 63:53
Protest to Secretary of Defense on engineer-architect work limitation, CE:Dec 63:78

UTILITIES
Germany--Utilities for the Divided City of Berlin, Gustav J. Requardt, CE:Jan 63:46
Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487
Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622

VALVES
Valve Stroking to Control Water Hammer, Victor L. Streeter, HY2:Mar 63:39:3452

VAPOR CONTAINER
Civil Engineering for CVNPA Nuclear Power Plant, W.L. Klehm, PO1:Sept 63:45:3645

VEHICLES
Re-entry Optimization and Synthesis Program, T.E. Hess, J.C. Bailey, and H.J. Most, ST4:Aug 63:249:3598

VELOCITY
Accuracy of Current Meter Measurements, Rolland W. Carter and Irving E. Anderson, HY4:Jul 63:105:3572
Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646
Drag Forces in Velocity Gradient Flow, Frank D. Masch and Walter L. Moore (with discussion), TR:128I:48:3394

VELOCITY Continued
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407
Manifold Stilling Basin, Gene R. Fiala and Maurice L. Albertson (with discussion), TR:128I:428:3421
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR: 128IV:56:3410
Mixing of a Turbulent Wall-Jet into a Free-Stream, S. Estinazi and V. Kruka, TR:128I: 1055:3463
Shear Measurement Technique for Rough Surfaces, Li-San Hwang and Emmett M. Laursen, HY2:Mar 63:19:3451
Stability in a Continuously Stratified Fluid, Philip G. Drazin and Louis N. Howard, TR: 128I:849:3447
Submerged Hydraulic Jump, N.S. Govinda Rao and N. Rajaratnam, HY1:Jan 63:139:3404
Terminal Shape of a Shallow Liquid Front, E. Roy Tinney and D.L. Bassett (with discussion), TR:128I:609:3433
Uniform Flow in a Shallow, Triangular Open Channel, Richard J. Wasley (with discussion), TR:128I:633:3437
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

VERMICULITE
Vermiculite Insulating Concrete--Pumped and Sprayed, Clayford T. Grimm, CE:Nov 63:67

VIBRATION
Consistent Mass Matrix for Distributed Mass Systems, John S. Archer, ST4:Aug 63:161:3591
Damping in Discrete Linear Elastic Systems, D.A. DaDeppo, EM2:Apr 63:13:3472
Densification of Soils by Explosive Vibrations, Byron J. Prugh, CO1:Mar 63:79:3458
Dynamics of a Large Steerable Radio Telescope Antenna, William Weaver, Jr., and Thomas R. Kane, ST4:Aug 63:55:3583
Free Vibrations of Fluid-Filled Cylindrical Shells, Melvin L. Baron and Richard Skalak, TR:128I:1092:3469
Groups of Vertical Cylinders Oscillating in Water, A.D.K. Laird and R.P. Warren, EM1: Feb 63:25:3422
Method of Internal Constraints and its Application, Enrico Volterra, TR:128I:509:3429
Natural Periods of Vibration of Buildings, G.W. Housner and A.G. Brady, EM4:Aug 63:31: 3613
Natural Vibrations of Partially Clamped Plates, Muneaki Kurata and Hirokazu Okamura, EM3:Jun 63:169:3561
Vibration Analysis for Structural Floor Systems, Lawrence R. Burkhardt (with discussion), TR:128II:290:3438
Vibration of Circular Plates at Large Amplitudes, Thein Wah, EM5:Oct 63:1:3663
Vibrations of Lineatly Tapered Cantilever Beams, G.W. Housner and W.O. Keightley (with discussion), TR:128I:1020:3461
Vibration of Steel-Lined Concrete Chimneys, W.S. Rumman, ST5:Oct 63:35:3661

VIRTUAL WORK
Principle of Virtual Work in Structural Analysis, Frank L. DiMaggio (with discussion), TR:128II:183:3407

VISCOSITY
Damping in Discrete Linear Elastic Systems, D.A. DaDeppo, EM2:Apr 63:13:3472
Engineering Derivation of the Navier-Stokes Equations, H.A. Einstein, EM3:Jun 63:1:3533

WALLS
Openings in Masonry Walls on Settling Supports, S. Rosenhaupt and G. Mueller, ST3:Jun 63:107:3559
Point of Zero Shear on Retaining Walls, Robert E. McLaughlin, CE:Aug 63:61
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1: Feb 63:1:3428
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

WASTE DISPOSAL
Agricultural Land Drainage and Stream Pollution, John M. Henderson, TR:128III:335:3495
Deep Injection Disposal Well for Liquid Toxic Waste, O.E. Mechem and J.H. Garrett, CO2: Sept 63:111:3650
Hydraulic Model Tests of Estuarial Waste Dispersion, R.L. O'Connell and C.M. Walter, SA1:Jan 63:51:3394
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Thermal Decomposition of Human Waste, Jimmie E. Quon and Wesley O. Pipes, SA1:Jan 63: 1:3382

WASTE TREATMENT
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Light Conversion Efficiency of Algae Grown in Sewage, William J. Oswald (with discussion), TR:128III:47:3395

WATER
Experience with Prototype Energy Dissipators, R.H. Berryhill, HY3:May 63:181:3521

WATER CONSUMPTION
Unique Consumptive Use Curve Related to Irrigation Practice, Vaughn E. Hansen, IR1: Mar 63:43:3449

WATER DEMAND
Climate, Population, and Water Demand, G. M. Quraishi, SA2:Apr 63:1:3470

WATER DISTRIBUTION
Desirable Features of Water Rights Laws, Dan S. Jones, Jr., IR4:Dec 63:1:3711
Subsurface Water Distribution in Surface Irrigation, Ernest T. Smerdon, IR1:Mar 63:1:3445
Thin Wall Pipe in Distribution Systems, Jack W. Pierce, PL1:Jan 63:23:3390

WATER DISTRIBUTION Continued
Water Distribution form Medium Pressure Sprinklers, Ido Seginer, IR2:Jun 63:13:3545

WATER FLOW
Accuracy of Current Meter Measurements, Rolland W. Carter and Irving E. Anderson, HY4: Jul 63:105:3572
Analog Models for Flood Control Systems, TR:128I:993:3458
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
Boundary Flow Along a Circular Cylinder, R.O. Reid and Basil W. Wilson, HY3:May 63: 21:3512
Compacted Loessial-Soil Canal Linings, Chester W. Jones and C.A. Lowitz, TR:128III:349: 3499
Critical Flow in Terms of Hydraulic Equivalents, Francis S.Y. Lee (with discussion), TR:128III:470:3515
Effect of Velocity on Seepage and its Measurement, Herman Bouwer, L.E. Myers and R.C. Rice, TR:128III:279:3475
Extension of Rating Curves by Field Surveys, Walter T. Sittner, HY2:Mar 63:1:3444
Flow Retardance by Channel Weeds and Their Control, J.E. Stephens, R.D. Blackburn, D.E. Seaman, and L.W. Weldon, IR2:Jun 63:31:3550
Groups of Vertical Cylinders Oscillating in Water, A.D.K. Laird and R.P. Warren, EM1: Feb 63:25:3422
Hydraulics of Gravity Wells in Slopind Sands, Mahdi S. Hantush (with discussion), TR:128I: 1423:3500
Jet Discharge into a Fluid with a Density Gradient, William E. Hart (with discussion), TR: 128I:1358:3493
Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu, SM5:Sept 63:1:3631
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481
Roughness Spacing in Rigid Open Channels, William W. Sayre and Maurice L. Albertson (with discussion), TR:128I:343:3417
Solving the Equations of Uniform Flow, William F. Pickard, HY4:Jul 63:23:3567
Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692
Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574
Terminal Shape of a Shallow Liquid Front, E. Roy Tinney and D.L. Bassett (with discussion), TR:128I:609:3433
Turbulent Diffusion and Anemometer Measurements, Lionel V. Baldwin and William R. Mickelsen (with discussion), TR:128I:1595:3507
Turbulent Diffusion and the Reaeration Coefficient, Peter A. Krenkel and Gerald T. Orlob (with discussion), TR:128III:293:3491
Unification of Parshall Flume Data, Sydney Davis (with discussion), TR:128III:399:3511
Uniform Flow in a Shallow, Triangular Open Channel, Richard J. Wasley (with discussion), TR:128I:633:3437
Uniform Water Conveyance Channels in Alluvial Material, Daryl B. Simons and Maurice L. Albertson (with discussion), TR:128I:65:3399
Unsteady Flow of Ground Water into Drain Tile, R.H. Brooks (with discussion), TR:128III:117: 3420
Valve Stroking to Control Water Hammer, Victor L. Streeter, HY2:Mar 63:39:3452
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
Water-Hammer Analysis Including Fluid Friction, Victor L. Streeter and Chintu Lai (with discussion), TR:128I:1491:3502

WATER, FLOW OF
Seepage Under Dams, Hammad Y. Hammad, SM4:Jul 63:25:3570

WATER HAMMER
Mechanics of Pipe Flow Following Column Separation, Wen-Hsiung Li, TR:128I:1233:3481
Valve Stroking to Control Water Hammer, Victor L. Streeter, HY2:Mar 63:39:3452
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

WATER POLLUTION
Are Our Criteria for Bathing-Water Pollution Valid? David L. Muss, CE:Nov 63:37
Department of Health, Education and Welfare to make study of stream pollution, CE:Dec 63:91
PHS research grants for water pollution control, CE:Nov 63:94
Proposed removal of Water Pollution Control Program from PHS, in Byline Washington, CE:Jul 63:75
Dsc: C.H. Atkins, CE:Sep 63:65; D.H. Howells, CE:Sep 63:65; Leo Weaver, CE:Sep 63:65
Rep, E.E. Halmos, CE:Sep 63:65
Quality and Significance of Irrigation Return Flow, Robert O. Sylvester and Robert W. Seabloom, Jr., IR3:Sept 63:1:3624
Water Pollution Control Federation holds 36th annual meeting in Seattle, CE:Nov 63:90
We Need More Municipal Waste Treatment Works, David H. Howells, CE:Sep 63:54

WATERPROOFING
Waterproofing Exposed Masonry Walls, T.R.L. Lazarr, CE:Oct 63:40

WATER QUALITY
Water Quality Changes in Elephant Butte Reservoir, John H. Bliss, IR3:Sept 63:53:3637

WATER RESOURCES
ASCE Water Resources Engineering Conference, Milwaukee, May 13-17, 1963, program, CE:Mar 63:61; Jun 63:42
Atmospheric Moisture-Precipitation Relations, Floyd A. Huff, HY6:Nov 63:93:3696
Conjunctive Operation of Dams and Aquifers,

WATER RESOURCES Continued
N. Buras, HY6:Nov 63:111:3697
Electronic Computers in Watershed Research, L.L. Kelly, IR3:Sept 63:37:3628
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63: 67:3702
Ground Water in Texas, Mervin L. Klug, HY3:May 63:153:3519
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Water resources of world to be studied, CE:Aug 63:88
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455

WATER SUPPLY (General)
Aqueduct Capacity Under an Optimum Benefit Policy, Warren A. Hall (with discussion), TR: 128III:162:3430
Calculated Risks of Impounding Reservoir Yield, John B. Stall and James C. Neill, HY1: Jan 63:25:3385
California--automation studied for aqueducts, CE:Mar 63:89
Dissolved Solids Removal from Waste Water by Algae, Albert F. Bush, John D. Isherwood and Shiva Rodgi, TR:128III:84:3418
Factors Affecting the Safe Yield of Ground-Water Basins, John F. Mann, Jr. (with discussion), TR:128III:180:3434
New York--Freezing Aids Shaft Sinking for Tunnel under New York Harbor, George C. Stewart, William K. Gildersleeve, Stanley Jampole, and John E. Connolly, CE:Apr 63:52
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517
Oklahoma--100 Mile Pipeline Brings Water to Oklahoma City, Herman E. Smith and Lee B. Washbourne, CE:Oct 63:32
Outlook for Economic Use of Fresh Water from the Sea, Samuel B. Morris, TR:128III:130:3422
Photogrammetric Engineering and Reservoir Planning, Pliny Gale, SU1:Feb 63:113:3443
Photogrammetry to Locate Water, A.O. Quinn, CE:Aug 63:50
Project Yields by a Probability Method, W. Don Maughan and R.Y. Kawano, HY3:May 63: 41:3513
Salt Balances in Ground Water, Aharon Meron and Harvey F. Ludwig, SA3:Jun 63:41:3555
Separation of Evapotranspiration and Deep Percolation, Lyman S. Willardson and Wendell L. Pope, IR3:Sept 63:77:3638
Study of Municipal and Irrigation Water Shortages, C.B. Thompson, IR4:63:7:3714
Theoretical and Practical Aspects of Well Recharge, Paul Baumann (with discussion), TR:128I:739:3442
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455
Water Table Fluctuations Induced by Irrigation, Marinus Maasland, TR:128III:142:3223
Wisconsin--100 mgd Added to Milwaukee's Water Supply, H.M. Ihling and D.P. Proudfit, CE:Sep 63:31

WATER TREATMENT
Effect of Paddle Design on Flocculation, Neil L. Drobny, SA2:Apr 63:17:3480
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384
Kinetics of Adsorption on Carbon from Solution, Walter J. Weber and J. Carrell Morris, SA2:Apr 63:31:3483
Pennsylvania--automatic chlorination system for Philadelphia, CE:Apr 63:78
Water quality Research Council plans conference, CE:Jun 63:74
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455
Wisconsin--100 mgd Added to Milwaukee's Water Supply, H.M. Ihling and D.P. Proudfit, CE:Sep 63:31

WATER USE
Quality and Significance of Irrigation Return Flow, Robert O. Sylvester and Robert W. Seabloom, Jr., IR3:Sept 63:1:3624

WATERWAYS (General)
Channel Changes in the St. Clair River Since 1933, Ira M. Korkigian, WW2:May 63:1:3511
Control of Alluvial Rivers by Steel Jetties, E.J. Carlson and R.A. Dodge, Jr., TR:128IV: 347:3496
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
Design Waves for Littoral Drift Models, R. Silvester, WW3:Aug 63:37:3620
Diffraction of Waves by Semi-Infinite Breakwater, R.L. Wiegel (with discussion), TR: 128I:1181:3477
The Drydock Lock, James R. Ayers, Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15: 3523
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63:67: 3702
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV: 195:3465
How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1: 3690
Hydraulic Aspects of Arkansas River Stabilization, Margaret S. Petersen, WW4:Nov 63:29: 3699
Investigation of the Statistics of Wave Heights, R.C. Goodknight and T.L. Russell, WW2:May 63:29:3524
Marine Oil Terminal for Rio de Janeiro, Brazil, H.W. Reeves (with discussion), TR:128IV:56:3410
Mechanical Bypassing of Littoral Drift at Inlets, George M. Watts, TR:128IV:178:3455
Model for River Regulation, Lewis L. Sheerar, WW4:Nov 63:13:3693
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21: 3433

WATERWAYS (General) Continued
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447
Stable Concrete Blocks on Rubble-Mound Breakwaters, S. Nagai, TR:128IV:227:3474

WATERWAYS AND HARBORS
Concrete for Marinas, E.P. Sellner, CE:Jul 63:48
Waterways and Harbors Division Task Committee on Channel Stabilization Works meets, CE:Sep 63:68

WATER WORKS
American Water Works Association elects officers, CE:Mar 63:91
AWWA holds 83rd Annual Conference, CE:Jul 63:76
Functional Design of Rapid Sand Filters, H.E. Hudson, Jr., SA1:Jan 63:17:3384

WAVES
Berthing and Mooring Forces, Glen B. Woodruff (with discussion), TR:128IV:376:3504
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
Design Waves for Littoral Drift Models, R. Silvester, WW3:Aug 63:17:3620
Diffraction of Waves by Semi-Infinite Breakwater, R.L. Wiegel (with discussion), TR:128I:1181:3477
Dynamic Response of Elastic-Viscous-Plastic Columns, Cheng Y. Yang, Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541
Effect of Berm on Wave Run-Up on Composite Beaches, John B. Herbich, R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526
Elastic Wave Velocities in Granular Soils, B.O. Hardin and F.E. Richart, Jr., SM1:Feb 63:33:3407
Equilibrium Characteristics of Sand Beaches, P.S. Eagleson, B. Glenne, and J.A. Dracup, HY1:Jan 63:35:3387
Flood Waves in Prismatic Channels, F.M. Henderson, HY4:Jul 63:39:3568
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV:195:3465
Groups of Vertical Cylinders Oscillating in Water, A.D.K. Laird and R.P. Warren, EM1:Feb 63:25:3422
Inelastic Wave Propagation in Soil Columns, Werner Heierli, TR:128I:1392:3498
Investigation of the Statistics of Wave Heights, R.C. Goodknight and T.L. Russell, WW2:May 63:29:3524
Model Tests of Coastal Protective Structures in USSR, Otakar W. Kabelac, WW1:Feb 63:21:3433
Sliding of Composite-Type Breakwaters by Breaking Waves, Shoshichiro Nagai, WW1:Feb 63:1:3428
Stable Concrete Blocks on Rubble-Mound Breakwaters, S. Nagai, TR:128IV:227:3474
Strong Shock Formation in Bilinear Hardening Media, Samuel Sutcliffe, EM2:Apr 63:1:3471
Travel Time of Waves in Backwaters, Andrew L. Simon, HY6:Nov 63:1:3689
Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565
Wave Action at Spillways, Mohamed Mokhles Abou-Seida, HY3:May 63:133:3518

WELDING
American Welding Society Specifications for Welded Highway and Railway Bridges, La Motte Grover, CE:Dec 63:60
Canada--Height Tripled for Toronto Building, J.L. Kellermann, CE:Mar 63:31
Choosing the Best Structural Fastener, Henry J. Stetina, CE:Nov 63:50
Civil engineering students winners of Lincoln Arc Welding Prizes, CE:Nov 63:91
Penstocks and Scroll Cases for Niagara Power Project, J. Edgar Revelle and John N. Pirok (with discussion), TR:128III:191:3453
Revised American Welding Society building code available, CE:Nov 63:94
Welded Plate Girders (Symposium), Konrad Basler and Bruno Thurlimann; Konrad Basler (with discussion); Konrad Basler, TR:128II:653:3489

WELLPOINTS
Field Measurement of Hydraulic Conductivity, William W. Donnan and V.S. Aronovici, TR:128III:103:3419
St. Anthony Falls Navigation Project, Francis E. Mullen, CO1:Mar 63:1:3447

WELLS
Drainage Wells in Leaky Water-Table Aquifers, Mahdi S. Hantush, TR:128I:1005:3459
Hydraulics of Gravity Wells in Sloping Sands, Mahdi S. Hantush (with discussion), TR:128I:1423:3500
Mechanics of a Mathematical Ground-Water Model, Frank J. Trelease and Morton W. Bittinger, IR1:Mar 63:51:3461
Nonsteady Flow for Wells with Decreasing Discharge, Mahmoud A. Abu-Zied and Verne H. Scott, HY3:May 63:119:3517
Radial Collector Wells Adjacent to the River Bank, Miloje Milojevic, HY6:Nov 63:133:3704
Replenishment of Aquifers Intersected by Streams, Roger J.M. DeWiest, HY6:Nov 63:165:3706
Theoretical and Practical Aspects of Well Recharge, Paul Baumann (with discussion), TR:128I:739:3442
Water Supplies for Titan ICBM Bases, Frederick J. Matthies, CO1:Mar 63:55:3455

WIND
Deep Water Wave Generation by Moving Wind Systems, Basil W. Wilson (with discussion), TR:128IV:104:3416
Freeboard Allowances for Waves in Inland Reservoirs, Thorndike Saville, Jr., Elmo W. McClendon and Albert L. Cochran, TR:128IV:195:3465

WIND Continued
Securing More Nearly True Precipitation Measurements, Leonard L. Weiss, HY2:Mar 63: 11:3446
Texas--Baytown Cracking Unit Strengthened for High Wind Forces, Bennett W. Burns, CE:Dec 62:40
Dsc: L.H. Blakey, CE:Feb 63:58: reply by Bennett W. Burns, CE:Mar 63:69
Tornados--Effect on Buildings, Frank E. Burkett, CE:Jan 63:51
Corr, Paul E. Pedersen, CE:Apr 63:61
Vibration of Steel-Lined Concrete Chimneys, W.D. Rumman, ST5:Oct 63:35:3661

WONDERS OF THE WORLD, CIVIL ENGINEERING
Civil engineering wonders featured in national magazines, CE:Jan 63:63

ZONING
Flood Plain Management Improves Man's Environment, James E. Goddard, WW4:Nov 63: 67:3702
Houston's Jetero Airport: Location and Configuration, Frank H. Newnam, Jr., AT1:Apr 63:9:3475
Iowa--Flood-Plain Zoning Ordinance Adopted by Iowa City, J.W. Howe, CE:Apr 63:39
Dsc: E.B. Mansur, CE:Jun 63:68

1963 COMBINED NAME INDEX

ABDUN-NUR, E. A.
Dsc, CE:Sep 63:64, of "Do You Know That" item on Japanese train, CE:Jul 63:29

ABDUN-NUR, EDWARD A.
Dsc, CO2:Sep 63:133:3653, of "Statistical Evaluation of Concrete Tests", CO1:Mar 63:19:3453

ABERNATHEY, JAMES M.
Dsc, CE:Mar 63:70, on "The Rise and Fall of Professional Engineering," CE:Jan 63:49

ABOU-SEIDA, MOHAMED MOKHLES
Wave Action at Spillways, HY3:May 63:133:3518

ABRAHAM, G.
Dsc of "Jet Discharge into a Fluid with a Density Gradient," TR:128I:1388:3493

ABU-ZIED, MAHMOUD A.
Nonsteady Flow for Wells with Decreasing Discharge, with Verne H. Scott, HY3:May 63:119:3517

ACKERMAN, ADOLPH J.
Atomic Power, A Failure in Engineering Responsibility, PP2:Oct 61:43:2975
Dsc: D.P. Barnes, PP1:May 62:39:3151; Karl Terzaghi, PP1:May 62:41:3151; Jacob Feld, PP1: May 62:41:3151; C. Ken Weidner, PP1:42:3151; A. Bernard Drought, PP1:May 62:43:3151; Albert S. Fry, PP1:May 62:44:3151; Alfred Ogram, PP1:May 62:45:3151; Morton I. Goldman and C. Rogers McCullough, PP1:May 62:46:3151; Jakob Kaegi, PP1:May 62:51:3151; Weston S. Evans, PP1:Jan 63:105:3401; A.C. Ingersoll, PP1:Jan 63:105:3401; Paul E. Gisiger, PP1:Jan 63:107:3401; L.A. Elsener, PP1:Jan 63:108:3401; John W. Forster, PP1:Jan 63:108:3401
Clo: PP1:Jan 63:109:3401
Atomic Power, A Failure in Engineering Responsibility, TR:128V:17:3497

ACKERS, PETER
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:113:3399

ADVANI, R. M.
Critical Depth in Trapezoidal Channels, HY3: May 62:69:3122
Dsc: Praxitelis A. Argyropoulos, HY6:Nov 62: 211:3338; N. Rajaratnam, HY6:Nov 62:214:3338; T. Sitki Bursali, HY6:Nov 62:217:3338
Clo: HY3:May 63:299:3529
Dsc, HY3:May 63:389:3529, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327
Dsc, with M.S. Misra, HY6:Nov 63:265:3708 of "Friction Factors in Open Channels", HY2: Mar 63:97:3464

AGERSCHOU, HANS A.
Analysis of the Engineering News Pile Formula, SM5:Oct 62:1:3298
Dsc: James M. Abernathey, SM6:Dec 62:295: 3378; A. Sridharan, SM2:Mar 63:147:3467; M. D. Hensey and R.L. Peters, SM3:May 63:163: 3528; Shamsher Prakash, SM3:May 63:166:3528; George B. Begg, SM3:May 63:166:3528, Charles H. Samson, Jr., SM3:May 63:168:3528; Rolf C. Vold, SM3:May 63:170:3528
Clo: SM6:Nov 63:93:3701

AHLBORN, GALE
Effect of Gradient on Jet Transport Runway Lengths, with Robert Horonjeff, AT1:Apr 63: 39:3490
Dsc: Milton Meisner, AT2:Oct 63:53:3686

ALBERTSON, MAURICE L.
See Daryl B. Simons, TR:128I:65:3399
See Gene R. Fiala, TR:128I:428:3421
See William W. Sayre, TR:128I:343:3417

ALDERTON, J. L.
Dsc, SA6:Dec 63:57:3745, of "Analysis of Thickener Operation," SA3:Jun 63:1:3535

AMBROSE, HARRY HARWOOD
Memoir of, TR:128V:113

AMES, W. F.
See V.C. Behn, TR:128III:384:3510

AMMANN, O. H.
O. H. Ammann Research Fellowship established, CE:May 63:45

AMRHEIN, JAMES E.
See Walter E. Kunze, CE:Dec 63:56

ANANDAKRISHNAN, M.
Laminar and Turbulent Flow of Water Through Sand, with G.H. Varadarajulu, SM5:Sept 63:1: 3631

ANANTHARAMU, S.
See K.T. Krishnaswamy, ST5:Oct 63:301:3688
See K.T. Sundara Raja Iyengar, EM6:Dec 63: 139:3720

ANDERSON, ALVIN G.
See Vito A. Vanoni, HY4:Jul 62:109:3195

ANDERSON, CURTIS G.
Clo, with James M. Polatty and Judson P. Elston, SM4:Jul 63:165:3578, of "Cement Grouting: Progress Report of the Task Committee on Cement Grouting of the Soil Mechanics and Foundation Division," SM2:Apr 62:49:3098

ANDERSON, IRVING E.
See Rolland W. Carter, HY4:Jul 63:105:3572

ANDERSON, W. CARL
Dsc, ST6:Dec 63:435:3743, of "Effect of Cold-Straining on Structural Sheet Steels", ST2:Apr 63:1:3477

ARCHER, AUGUSTUS R.
Dsc, CE:Nov 63:72, of "Scour at Bridge Piers," CE:Aug 63:63

ARCHER, JOHN S.
Consistent Mass Matrix for Distributed Mass System, ST4:Aug 63:161:3591

ARENA, J. R.
Dsc of "Economy of High Strength Steel Structural Members," TR:128II:843:3509

ARGYROPOULOS, PRAXITELIS A.
General Solution of the Hydraulic Jump in Sloping Channels, HY4:Jul 62:61:3190
Dsc: T.E. Unny, HY1:Jan 63:251:3405; C.J. Posey, HY1:Jan 63:255:3405; N. Rajaratnam, HY1:Jan 63:258:3405; Richard Brock, HY2:Mar 63:165:3468
Clo: HY4:Jul 63:219:3580
Dsc, HY3:May 63:393:3529, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327
Dsc, HY3:May 63:365:3529, of "Flow in Noncircular Conduits", HY6:Nov 62:1:3310
Dsc, HY1:Jan 63:288:3405, of "Optical Current Meter", HY5:Sept 62:13:3258
Dsc, HY3:May 63:407:3529, of "Stability Aspects of Flow in Open Channels", HY6:Nov 62:145:3331
Dsc, HY3:May 63:409:3529, of "Submerged Hydraulic Jump", HY1:Jan 63:139:3404

ARMENAKAS, A. E.
Buckling of Thin Shells Under Esternal Pressure, with G. Herrmann, EM3:Jun 63:131:3552

ARNOLD, PERRY C.
Dsc, PO1:Sept 63:147:3652, of "Use of T-1 Steel for Oahe Spiral Cases", PO4:Dec 62:1:339

ARONOVICI, V. S.
See William W. Donnan, TR:128III:103:3419

ARONSON, H. G.
Prefabricated Reducers as Entrances for Pipe Culverts, HW1:Mar 61:1:2766
Dsc: Herbert G. Bossy, HW3:Sept 61:35:2919
Clo: HW1:Apr 63:115:3504

ASLAKSON, CARL I.
Dsc, SU2:Jun 63:95:3563, of "Role of Surveying in Civil Engineering Education", SU1:Feb 63:27:3420
Education Requirements in Surveying and Geodesy, SU1:Feb 63:53:3427
Dsc: Henry W. Bigelow, SU3:Oct 63:195:3684

ASMUSSEN, LORIS E.
See Earl H. Grissinger, HY6:Nov 63:259:3708

ASPLUND, S. O.
Deflection Theory of Arches, ST7:Oct 61:125:2963
Dsc: Jerry C.L. Chang, ST3:Jun 62:331:3179
Clo: ST1:Feb 63:217:3435
Deflection Theory of Arches, TR:128II:307:3439
Dsc of "Corrected Deflection Theory of Suspension Bridges," TR:128II:32:3397

ASPLUND, SVEN OLOF
Short Flexible Suspension Bridges for Heavy Trucks, TR:128II:927:3521

ATKINS, C. H.
Dsc, CE:Sep 63:65, on "Byline Washington," CE:Jul 63:72

AU, TUNG
Dsc, ST1:Feb 63:245:3435, of "Use of Orthotropic Plate Theory in Bridge Design", St3:Jun 62:35:3157
See Rodney J. Clifton, ST5:Oct 63:133:3675
See Vilis Vitols, ST4:Aug 63:71:3584

AUGUSTI, GIULIANO
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:209:3407

AVERBACH, B. L.
Physical Metallurgy and Mechanical Properties of Materials (Symposium): Brittle Fracture, TR:128I:1340:3488

AYERS, JAMES R.
The Drydock Lock, with Arden L. Burnett, and Ralph C. Stokes, WW2:May 63:15:3523

BADIR, MOUNIR
Dsc of "Grid Analysis by the Reaction Distribution Method," TR:128II:281:3428

BAILEY, DANIEL S., JR.
New Hampshire--Flexible Pavement for Interstate Route, CE:Jan 63:44

BAILEY, HERBERT R.
Dynamic Bending of Elastic Columns, ST4:Aug 63:95:3585

BAILEY, J. C.
See T.E. Hess, ST4:Aug 63:249:3598

BAILEY, THOMAS E.
See Charles G. Gunnerson, SA4:Aug 63:95:3619

BAINES, W. D.
Dsc of "Drag Forces in Velocity Gradient Flow," TR:128I:58:3394

BAKER, A. L. L.
Dsc of "Berthing and Mooring Forces," TR:128IV:390:3504

BAKER, JAMES W. O.
Vertical Curve Plotting, HW1:Apr 63:1:3476

BAKER, JOHN H.
California--Cleaning and Lining 6-in. Pipeline in Mesa Verde National Park, CE:Apr 63:46

BAKER, RALPH H., JR.
Package Aeration Plants in Florida, SA6:Nov 62:75:3330
Dsc: Julian R. Fleming, SA2:Apr 63:129:3501; Miles A. Lamb, SA3:Jun 63:79:3556; Gordon L. Culp and Grover L. Morris, SA3:Jun 63:81:3556; James A. Greiner, SA3:Jun 63:82:3556; Ross E. McKinney, SA3:Jun 63:85:3556
Clo: SA6:Dec 63:49:3745

BALDWIN, LIONEL V.
Turbulent Diffusion and Anemometer Measurements, with William R. Mickelsen, TR:128I: 1595:3507

BALDWIN, L. V.
Dsc: S. Corrsin, EM6:Dec 62:151:3375
Turbulent Diffusion and Anemometer Measurements, with William R. Mickelsen, EM2:Apr 62:
Clo: EM3:Jun 63:191:3562

BALKUS, K.
See A.H. Palmer, PO1:Sept 63:67:3649

BALL, JAMES W.
Construction Finishes and High-Velocity Flow, CO2:Sept 63:91:3646
Limitations of Metergates, IR4:Dec 62:23:3359
Dsc: Joseph B. Summers, IR2:Jun 63:95:3554
Clo: IR4:Dec 63:45:3746
Sudden Enlargements in Pipelines, PO4:Dec 62: 15:3340
Dsc: E. Roy Tinney, PO1:Sept 63:151:3652

BALL, R. E.
Limit Analysis of Cylindrical Shells, with S.L. Lee, EM3:Jun 63:73:3544
Dsc: M.E. Lunchick, EM6:Dec 63:271:3774

BALLA, ÁRPÁD
Bearing Capacity of Foundations, SM5:Oct 62: 13:3302
Dsc: G.G. Meyerhof, SM1:Feb 63:319:3436; J. Brinch Hansen, SM2:Mar 63:149:3467; Shamsher Prakash and M.S. Ghumman, SM3:May 63:171: 3528; J. Feda, SM3:May 63:172:3528

BALLOFFET, ARMANDO
Dsc of "Unification of Parshall Flume Data," TR:128II:414:3511

BANKS, ROBERT B.
Dispersion in Unsteady Porous-Media Flow, with Somsakdi Jerasate, HY3:May 63:1:3109
Dsc: D.R.F. Harleman, R.R. Rumer, Jr., and J.A. Hoopes, HY6:Nov 62:199:3338
Clo: HY3:May 63:297:3529

BARAILLER, L.
See L. Greslou, WW2:May 63:96:3527

BARBARITO, BRUNO
Dsc, ST3:Jun 63:183:3560, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

BARNES, D. P.
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:55:3497

BARNES, S. M.
Bibliography on the Hydraulic Design of Spillways: Progress Report of the Task Force on Hydraulic Design of Spillways of the Committee on Hydraulic Structures of the Hydraulic Division, HY4:Jul 63:117: 3573

BARNETT, JOSEPH
Rail Transit in the Highway Median--Yes or No?, CE:Jan 63:34

BARNETT, RALPH L.
Minimum-Weight Design of Beams for Deflection, TR:128I:221:3411

BARNOFF, ROBERT M.
Column Research Council Symposium on Metal Compression Members: Effect of Floor Systems on Pony Truss Bridges, with William G. Mooney, TR:128II:629:3487

BARON, MELVIN L.
Elastic Rayleigh Wave Effects Due to Nuclear Blasts, with Charles Lecht, EM5:Oct 61:33:2961
Dsc: A.A. Eremin, EM4:Aug 63:89:3616; Daniel Frederick, EM4:Aug 63:89:3616
Elastic Rayleigh Wave Motions Due to Nuclear Blasts, with Ronald Check, EM1:Feb 63:57:3432
Free Vibrations of Fluid-Filled Cylindrical Shells, with Richard Skalak, TR:128I:1092:3469

BARTELS, R. C. F.
Dsc, HY1:Jan 63:208:3405, of "Water-Hammer Analysis Including Fluid Friction", HY3:May 62: 79:3135
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1527:3502

BASE, G. D.
Tests on a 120-ft-Span Prestressed Concrete Beam, with R.E. Rowe, TR:128II:125:3404

BASLER, KONRAD
Welded Plate Girders (Symposium): Strength in Shear, TR:128II:683:3489
Welded Plate Girders (Symposium): Strength Under Combined Bending and Shear, TR:128II: 720:3489
Welded Plate Girders (Symposium): Strength in Bending, with Bruno Thurlimann, TR:128II: 655:3489

BASSETT, D. L.
See E. Roy Tinney, TR:128I:609:3433

BATES, CARLOS G.
Dsc, PO1:Sept 63:163:3652, of "Symposium on Pumped Storage: Development of Reversible Pump-Turbines", PO4:Dec 62:83:3368

BATSON, GORDON B.
See James P. Romualdi, EM3:Jun 63:147:3558

BAUER, WILLIAM J.
Economics of Urban Drainage Design, HY6:Nov 62:93:3321
Dsc: Herbert Moore, HY4:Jul 63:245:3580

BAUMANN, PAUL
Backscour During Floods Above Pits and Basins, HY2:Mar 62:139:3081
Dsc: Richard Brock, HY5:Sept 62:337:3290; K. D. Matthews and William R. Barr, HY6:Nov 62:197:3338
Clo: HY2:Mar 63:163:3468
Dsc of "Arch Dam Analysis with an Electric Analog Computer," TR:128I:193:3403
Dsc, HY1:Jan 63:241:3405, of "Hydraulics of Gravity Wells in Sloping Sands", HY4:Jul 62:1:3185
Dsc of "Hydraulics of Gravity Wells in Sloping Sands," TR:128I:1438:3500
Theoretical and Practical Aspects of Well Recharge, TR:128I:739:3442

BEA, R. G.
Dsc, SM1:Feb 63:268:3436, of "Friction and Cohesion of Saturated Clays", SM3:Jun 62:1:3158

BEAR, JACOB
See David K. Todd, TR:128I:256:3413

BEARD, LEO R.
Dsc, HY3:May 63:376:3529, of "Plotting Positions and Economics of Engineering Planning", HY6:Nov 62:57:3317
Dsc, HY6:Nov 63:279:3708, of "Project Yields by a Probability Method", HY3:May 63:41:3513
Flood Control Operation of Reservoirs, HY1:Jan 63:1:3380

BEASLEY, R. P.
See E.T. Smerdon, TR:128I:36:3393

BEAUJOINT, NICHOLAS J.
Dsc of "Dead-Load Stress in Model Dams by Method of Integration," TR:128II:252:3427

BEAVEN, G. C.
See A.L. Little, SM6:Nov 63:116:3701

BECK, C. F.
Steel Column Design for Multistory Rigid Frames, with M. Zar, ST4:Aug 63:537:3614

BECKMAN, HERBERT
Wave Force Coefficients for Offshore Pipelines, with Murphy H. Thibodeaux, WW2:May 62:125:3141
Dsc: I. Alterman, WW4:Nov 62:149:3335; Basil W. Wilson and Robert O. Reid, WW1:Feb 63:61:3442
Clo: WW3:Aug 63:53:3621

BEGG, GEORGE B.
Dsc, SM3:May 63:166:3528, of "Analysis of the Engineering News Pile Formula", SM5:Oct 62:1:3298

BEHN, V. C.
Disc, with W.F. Ames and K. Keshavan, of "Trickling Filtration Design and Performance," TR:128III:384:3510

BEHN, VAUGHN C.
Analysis of Thickener Operation, with Jon C. Liebman, SA3:Jun 63:1:3535
Dsc: J.L. Alderton, SA6:Dec 63:57:3745

BELL, FRANK A., JR.
Short-Term Air-Pollution Studies in Five Cities, CE:Feb 63:48

BELT, ROBERT M.
Hawaii--New Land Worth $23 Million for Honolulu, CE:Sep 63:60

BENDIGO, ROBERT A.
Long Bolted Joints, with Roger M. Hansen and John L. Rumpf, ST6:Dec 63:187:3727

BENEDEK, P.
Dsc, SA1:Jan 63:81:3402, of "Mathematics of Complete-Mixing Activated Sludge", SA3:May 62:87:3133
Dsc of "Mathematics of Complete-Mixing Activated Sludge," TR:128III:524:3516

BENJAMIN, JACK R.
Dsc, ST5:Oct 63:295:3688, of "Lateral Stiffness of Infilled Frames", ST6:Dec 62:183:3355
Dsc, ST2:Apr 63:240:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

BENSON, MANUEL A.
Dsc, HY6:Nov 63:280:3708, of "Project Yields by a Probability Method", HY3:May 63:41:3513
Plotting Positions and Economics of Engineering Planning, HY6:Nov 62:57:3317
Dsc: Royal W. Davenport, HY3:May 63:375:3529; Leo R. Beard, HY3:May 63:376:3529; E. J. Gumbel, HY3:May 63:377:3529
Clo: HY6:Nov 63:251:3708

BERG, RICHARD O.
South Dakota--Lime Stabilizes Shale Subgrade on Interstate Highway, with Charles A. Piper, Jr., CE:Sep 63:35

BERGE, SIGMON S.
See Kuang-Han Chu, ST1:Feb 63:127:3414

BERGER, BRUCE E.
Dynamic Response of Lattice-Lype Structures, with Sidney Shore, EM2:Apr 63:47:3484
Dsc: Bryant Mather, EM4:Aug 63:95:3616

BERGSTROM, R. N.
Dsc, PO1:Sept 63:107:3652, of "Optimized Tangent Towers for 345-KV Transmission", PO2: July 62:1:3184
Power Station Structural Steel and Concrete Chimneys, with M. Zar, PO3:Sept 62:41:3268
Dsc: George B. Cain, PO1:Sept 63:143:3652

BERNSTEIN, LEON
Tolerance of Plants to Salinity, IR4:Dec 61:1: 3005
Dsc: J.E. Christiansen, IR1:Mar 62:47:3085; Harry F. Blaney, IR2:Jun 62:107:3170; Arthur F. Pillsbury, IR2:Jun 62:108:3170; O.R. Lunt, IR2:Jun 62:109:3170; R.H. Brooks, IR3:Sept 62: 41:3286
Clo: IR2:Jun 63:57:3554
Tolerance of Plants to Salinity, TR:128III: 561:3518

BERRY, RICHARD G.
Dsc, CE:Feb 63:57, of "A Blueprint for the Profession," CE:Dec 62:52

BERRYHILL, R. H.
Experience with Prototype Energy Dissipators, HY3:May 63:181:3521
Dsc: J.H. Douma, HY6:Nov 63:287:3708

BERWANGER, C.
Dsc, ST3:Jun 63:188:3560, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

BESPALOW, EUGENE F.
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33

BESSELIEVRE, EDMUND B.
An Engineer Goes Abroad, CE:Jan 63:17
Dsc: S. Prakash, CE:Jun 63:69

BETTIGOLE, NEAL H.
Dsc, ST1:Feb 63:281:3435, of "Specifications for Structural Joints Using ASTM-A325 Bolts: Progress Report of the Task Committee on Riveted and Bolted Joints of the Committee on Metals of the Structural Division", ST5:Oct 62: 11:3294

BETTS, CLIFFORD A.
Dsc on the need for a uniform nomenclature in hydraulics, CE:Sep 63:65

BIEMOND, C.
Dsc, SA3:Jun 63:92:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

BIERY, P. F.
Disc, with J.W. Delleur, of "Roughness Spacing in Rigid Open Channels," TR:128I:372:3417
Hydraulics of Single Span Arch Bridge Constructions, with J.W. Delleur, HY2:Mar 62:75: 3076
Dsc: H. James Owen, HY5:Sept 62:327:3290; Atilla A. Sooky, HY5:Sept 62:330:3290
Clo: HY3:May 63:291:3529

BIGELOW, HENRY W.
Dsc, SU3:Oct 63:195:3684, of "Education Requirements in Surveying and Geodesy", SU1: Feb 63:53:3427
Dsc, SU3:Oct 63:188:3684, of "Role of Surveying in Civil Engineering Education", SU1:Feb 63: 27:3420
Electronic Surveying: Accuracy of Electronic Positioning Systems, SU3:Oct 63:37:3670

BIGGS, JOHN M.
See Vijay N. Gupchup, ST4:Aug 63:225:3596

BIJLAARD, P. P.
Dsc, EM3:Jun 63:203:3562, of "Plastic Buckling pressure for Spherical Shells", EM6:Dec 62:13:3352

BILLINGTON, DAVID P.
Princeton Program Prepares Engineers for Policy-Making Positions, with Norman J. Sollenberger, CE:Apr 63:48
Correction by authors, CE:Jun 63:69

BIRD, JOHN M.
See Dana D. Leslie, TR:128I:781:3443

BIRD, JOHN W.
Minnesota--Storm Sewer Tunnel in St. Paul, CE:Sep 63:51

BIRDSALL, BLAIR
See T. Janiszewski, TR:128II:120:3402

BIRDSALL, BLAIR, Chmn
Who Pays for the Unexpected in Construction?, Report of the Committee on Contract Administration of the Construction Division, ASCE, CO2: Sept 63:23:3635

BIRKHOFF, GARRETT
Calculation of Potential Flows with Free Streamlines, HY6:Nov 61:17:2977
Dsc: Hunter Rouse, HY2:Mar 62:187:3087; Louis Landweber, HY3:Mar 62:223:3144; Satya Prakash Garg, HY4:Jul 62:293:3209; Theodore S. Strelkoff, HY4:Jul 62:296:3209; Y.S. Yu, HY4:Jul 62:298:3209
Clo: HY2:Mar 63:147:3468

BIRNSTEIL, CHARLES
Ultimate Load of H-Columns Under Biaxial Bending, with James Michalos, ST2:Apr 63:161: 3503
Dsc: Ryszard Dabrowdki, ST5:Oct 63:363:3688; Boyd C. Ringo, ST5:Oct 63:363:3688

BITOUN, MARCEL
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:135:3399

BITTINGER, MORTON W.
See Frank J. Trelease, IR1:Mar 63:51:3461

BJERRUM, LAURITZ
Dsc, with Finn Jorstad, SM1:Feb 63:300:3436, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223

BLACK, A. P.
Dsc, SA1:Jan 63:75:3402, of "Mechanism of Coagulation in Water Treatment", SA3:May 62:1:3117

BLACKBURN, R. D.
See J.C. Stephens, IR2:Jun 63:31:3550

BLACKMAN, GEORGE E.
See Richard F. Foster, SA6:Dec 63:17:3733

BLACKMAN, JAMES S.
Dsc, Egyptian university needs ASCE publications, CE:Aug 63:62

BLAIR, C. T.
Construction Economy Through Contract Administration: Progress Report of the Special Committee of the Construction Division of the San Francisco Section, CO1:Jan 62:1:3033
Dsc: Marvin Gates, CO2:Sept 62:93:3287; Robert F. Borg, CO2:Sept 62:94:3287; John J. White, CO2:Sept 62:101:3287
Clo: CO1:Mar 63:103:3465

BLAISDELL, FRED W.
Dsc, HY2:Mar 63:190:3468, of "Boundary Shear Stresses in Curved Trapezoidal Channels", HY5:Sept 62:143:3273
Dsc, HY4:Jul 63:249:3580, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327
Dsc, HY1:Jan 63:227:3405, of "Side-Channel Spillway Design", HY3:May 62:131:3143
Hood Inlet for Closed Conduit Spillways, TR:128I:1:3393

BLAKE, DARRELL N.
Design of Metal Pipe for Use in Irrigation Structures, IR3:Sept 63:45:3634

BLAKEY, LEWIS H.
Dsc, CE:Feb 63:58, of "Baytown, Tex., Cracking Unit Strengthened for High Wind Forces," CE:Dec 62:40; reply by Bennett W. Burns, CE:Mar 63:69
Dsc, EM6:Dec 63:267:3774, of "Matrix Division", EM3:Jun 63:9:3538

BLANCATO, VIRGIL
Offshore Mooring Island for Supertankers, with Joseph H. Finger, WW4:Nov 62:1:3311
Dsc: F. Vasco Costa, WW2:May 63:99:3527; Francis E. Csendes, WW2:May 63:102:3527; Zusse Levinton, WW2:May 63:103:3527; Glenn B. Woodruff, WW2:May 63:103:3527
See P.W. Roberts, TR:128IV:387:3504

BLANCHARD, G. L.
Dsc, ST6:Dec 63:451:3743, of "Dynamic Pressure of Granular Material in Deep Bins", ST2:Apr 62:49:3479

BLANEY, HARRY F.
Dsc of "Estimating Potential Evapotranspiration," TR:128I:338:3415
Dsc of "Tolerance of Plants to Salinity," TR:128III:573:3518
Dsc, IR4:Dec 63:49:3746, of "Unique Consumptive-Use Curve Related to Irrigation Practice", IR1:Mar 63:43:3449
Utilization of Water and Irrigation in Israel, IR2:Jun 62:55:3178
Dsc: N. Buras, IR4:Dec 62:69:3377; Vahé J. Sevian, IR4:Dec 62:69:3377
Clo: IR2:Jun 63:79:3554
See Leonard L. Longacre, TR:128III:444:3513

BLAUT, H.
Dsc, with H. Hilsdorf, ST5:Oct 63:265:3688, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

BLEICH, H. H.
Moving Step-Load on Half-Space of Granular Material, with E. Heer, EM3:Jun 63:97:3551

BLENCH, T.
Dsc, HY4:Jul 63:285:3580, of "Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division", HY2:Mar 63:97:3464
Dsc of "Roughness in Rigid Open Channels," TR:128I:382:3417
Dsc, HY2:Mar 63:175:3468, of "Sediment Transportation Mechanics: Erosion of Sediment: Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division, HY4:Jul 62:109:3195
Dsc of "Stability of Alluvial Channels," TR:128I:687:3440
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:123:3399

BLISS, JOHN H.
Water Quality Changes in Elephant Butte Reservoir, IR3:Sept 63:53:3637

BLOMQUIST, H. T.
See A.H. Palmer, PO1:Sept 63:67:3649

BLOOM, DAVID
High-Rise Concrete Buildings, CE:Aug 63:57
Dsc: G.A. Kennedy, CE:Nov 63:72; Walter H. Wheeler, Dec 63:68

BLUE, F. L., JR.
Dsc of "Diffraction of Waves by Semi-Infinite Breakwater," TR:128I:1198:3477

BOGAN, R. H.
See J.A. Servizi, SA3:Jun 63:17:3539

BOGERT, CLINTON L.
Dsc, CE:Jun 63:68, of "Professional Identification in ASCE," CE:Apr 63:31

BOLLONG, J. W. ARCH.
Dsc, CE:Feb 63:57, on "The Great Brinkley Expose," CE:Dec 62:31

BONACCI, FRANK
Problems in Property Surveys and Right-of-Way Mapping, SU1:Feb 63:91:3439
Dsc: Arthur F. Leiper, SU3:Oct 63:213: 3684

BOND, A. W.
Upflow Solids Contact Basin, SA6:Nov 61:73: 3001
Dsc: N.C.H. Fischerstrom, SA5:Sept 62:43: 3288
Clo: SA2:Apr 63:87:3501

BOOP, WARREN C.
See Walter F. Emmons, PO3:Sept 62:73:3270

BOOSS, GEORGE F.
Dsc, ST1:Feb 63:283:3435, of "Analysis of Folded Plates", ST5:Oct 62:107:3303
Phase I Report on Folded Plate Construction: Report of the Task Committee on Folded Plate Construction of the Committee on Masonry and Reinforced Concrete of the Structural Division, ASCE, ST6:Dec 63:365:3741

BORGMAN, LEON E.
Risk Criteria, WW3:Aug 63:1:3607

BORLAND, W. M.
See C.R. Miller, HY1:Jan 63:67:3392

BOSCH, HERBERT MICHAEL
Memoir of, TR:128V:114

BOSSY, HERBERT G.
Dsc, HY1:Jan 63:202:3405, of "Hydraulic Roughness of Corrugated Pipes", HY3:May 62: 23:3111

BOUWER, HERMAN
Analyzing Ground-Water Mounds by Resistance Network, IR3:Sept 62:15:3276
Dsc: R.H. Brooks, IR2:Jun 63:89:3554
Clo: IR2:Jun 63:90:3554
Effect of Velocity on Seepage and its Measurement, with L.E. Myers and R.C. Rice, TR:128III:279:3475
Effect of Velocity on Seepage and Its Measurement, with L.E. Myers and R.C. Rice, IR3: Sept 62:1:3259
Corr: IR2:Jun 63:81:3554
Seepage Meters in Seepage and Recharge Studies, with R.C. Rice, IR1:Mar 63:17:3448

BOWMAN, JAMES SCHENCK
Memoir of, TR:128V:115

BOWMAN, WALDO
Competence Is What Counts Most, CE:Nov 63:35
Installed as ASCE President at San Francisco Conference, CE:Oct 63:62
Nominated for President of ASCE, CE:Jun 63:48

BOYER, PETER B.
Dsc, PO1:Sept 63:129:3652, of "Prediction of Temperature in Rivers and Reservoirs", PO2: July 62:157:3200

BRADLEY, WILLIAM A.
Stability of Equilateral Triangular Plates, EM1:Feb 63:37:3426
Dsc: Mario G. Salvadori, EM3:Jun 63:229: 3562; E. Neil W. Lane, EM4:Aug 63:81:3616; R. Milauskas, EM4:Aug 63:85:3616; Francis H. Collopy, EM4:Aug 63:86:3616

BRADSHAW, RICHARD R.
Dsc, CE:Jun 63:69, of "Richmond, Ind., Sewer Extension Promotes Municipal Growth," CE:Mar 63:49

BRADY, A. G.
See G.W. Housner, EM4:Aug 63:31:3613

BRAHMA, SURESH P.
Dsc of "Unsteady Flow of Ground Water into Drain Tile," TR:128III:127:3420

BRAIKEVITCH, M.
Symposium on Pumped Storage: Development of Reversible Pump-Turbines, with D. Hartland and R.A. Strub, PO4:Dec 62:83:3368
Dsc: Carlos G. Bates, PO1:Sept 63:163:3652; James L. Haydock and Ian W. McCaig, PO1: Sept 63:164:3652; H. Headland, PO1:Sept 63:165: 3652; James D. Calvert, PO1:Sept 63:166:3652; V.G. Newman, PO1:Sept 63:167:3652

BRANDT, G. DONALD
Area Properties form Coordinates, ST3:Jun 62:197:3167
Dsc: Thomas J. Ogburn, III, ST4:Aug 62:261: 3254
Clo: ST2:Apr 63:227:3502

BRANDTZAEG, ANTON
Dsc, WW1:Feb 63:51:3442, of "Formulas for Design for Rubble-Mound Breakwaters", WW2: May 62:11:3114

BRANIN, FRANKLIN H., JR.
See Steven J. Fenves, ST4:Aug 63:483:3611

BREDEHORST, R. E.
See A.E. Bruington, TR:128I:755:3442

BRETSCHNEIDER, CHARLES L.
Dsc of "Deep Water Wave Generation by Moving Wind Systems," TR:128IV:133:3416

BREUSERS, H. N. C.
Dsc, HY1:Jan 63:277:3405, of "Sediment Transportation Mechanics: Erosion of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division", HY4:Jul 62:109:3195

BREWER, PHILIP W.
Nuclear Power in the Antarctic Environment, SA4:Aug 63:45:3609

BRINKER, R. C.
First Peace Corps Surveyors and Engineers, SU2:Jun 63:13:3536

BRISTOR, JOHN D.
Cost of Operating a Field Construction Office, CO2:Sept 63:75:3643

BRITVEC, S. J.
Elastic Buckling of Rigidly-Jointed Braced Frames, with A.H. Chilver, EM6:Dec 63:217:3736
See Alexander Chajes, ST2:Apr 63:1:3477

BRITZIUS, C. W.
Non-Destructive Testing in Civil Engineering, CE:Jan 63:21

BROCK, RICHARD
Dsc, HY2:Mar 63:165:3468, of "General Solution of the Hydraulic Jump in Sloping Channels", HY4:Jul 62:61:3190

BROMS, BENGT B.
Allowable Bearing Capacity of Initially Bent Piles, SM5:Sept 63:73:3651
Dsc, SM4:Jul 63:223:3578, of "Basic Experiment into Soil-Structure Interaction", SM6:Dec 62:135:3366
Dsc, SM6:Nov 63:125:3701, of "Bearing Capacity of Piles in Cohesionless Soils", SM3:May 63:1:3506
Dsc, SM4:Jul 63:247:3578, of "Effective Stress Theory of Soil Compaction", SM2:Mar 63:27:3457
Shear Strength of an Anisotropically Consolidated Clay, with M.V. Ratnam, SM6:Nov 63:1:3691

BROMWELL, LESLIE G.
Dsc, with Charles C. Ladd, SM1:Feb 63:313:3436, of "Direct-Shear Test for Effective-Strength Parameters", SM4:Aug 62:109:3232

BROOKS, NORMAN H.
Dsc, HY3:May 63:327:3529, of "Boundary Shear Stresses in Curved Trapezoidal Channels", HY5:Sept 62:143:3273

BROOKS, R. H.
Dsc, IR2:Jun 63:89:3554, of "Analyzing Ground-Water Mounds by Resistance Network", IR3:Sept 62:15:3276
Dsc of "Tolerance of Plants to Salinity," TR:128III:576:3518
Unsteady Flow of Ground Water into Drain Tile, TR:128III:117:3420

BROTCHIE, JOHN F.
Direct Design of Plate and Shell Structures, ST6:Dec 62:127:3345
Dsc. G.I.N. Rozvany, ST3:Jun 63:203:3560; George J. Megarefs and Anthony J. Lacopulos, ST5:Oct 63:279:3688

BROWN, C. B.
Dsc, with L.H. Gabriel, ST2:Apr 63:248:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292
See H.D. McNiven, SM5:Sept 63:103:3654
See L.E. Goodman, SM3:May 63:103:3514

BROWN, CURTIS M.
Dsc, SU3:Oct 63:228:3684, of "Control Traverses and Their Adjustment", SU2:Jun 63:39:3546

BROWN, FRED R.
Cavitation in Hydraulic Structures: Problems Created by Cavitation Phenomena, HY1:Jan 63:99:3393

BROWN, PHILIP P.
Dsc of "Field Study of a Cellular Bulkhead," TR:128I:503:3426

BRUCE, JOHN F.
See Glenn H. Von Gunten, PO2:July 62:35:3191

BRUINGTON, A. E.
Disc, with F.D. Seares, and R.E. Bredehorst, of "Theoretical and Practical Aspects of Well Recharge," TR:128I:755:3442

BRYANT, WILLIAM C.
Dsc, with Carl R. Wilder, SM4:Jul 63:219:3578, of "Soil-Cement as Slope Protection for Earth Dams", SM6:Dec 62:107:3361

BUCKINGHAM, R. A.
See M.A. Churchill, SA4:Jul 62:1:3199

BULSON, P. S.
Dsc: SM5:Sept 63:95:3654, of "Basic Experiment into Soil-Structure Interaction", SM6:Dec 62:135:3366

BURAS, NATHAN
Conjunctive Operation of Dams and Aquifers, HY6:Nov 63:111:3697
Dsc, HY2:Mar 63:181:3468, of "Basic Considerations in Water Resources Planning: Progress Report of the Committee on Water Resources Planning of the Hydraulics Division", HY5:Sept 62:23:3261

BURHOUSE, P.
Dsc, ST1:Feb 63:251:3435, of "Experimental Study of Masonry Walls on Beams", ST3:Jun 62:137:3163

BURKETT, FRANK E.
Tornados--Effects on Buildings, CE:Jan 63:51
Corr, Paul E. Pedersen, CE:Apr 63:61

BURKHARDT, LAWRENCE R.
Vibration Analysis for Structural Floor Systems, TR:128II:290:3438

BURNETT, ARDEN L.
See James R. Ayers, WW2:May 63:15:3523

BURNETT, R. G.
See E.A. Johns, SM1:Feb 63:95:3423

BURNS, BENNETT W.
Texas--Baytown Cracking Unit Strengthened for High Wind Forces, CE:Dec 62:40

Dsc: L.H. Blakey, CE:Feb 63:58; reply by Bennett W. Burns, CE:Mar 63:69

BURNS, HOWARD C.
See Martin A. Warskow, AT2:Oct 63:1:3674

BUSCH, A. W.
Activited Sludge Kinetics and Effluent Quality, SA6:Nov 62:1:3322
Dsc: Ross E. McKinney, SA3:Jun 63:75:3556
Clo: SA4:Aug 63:131:3618
Dsc, SA4:Aug 63:139:3618, of "Free Energy as a Parameter in Biological Treatment", SA3:Jun 63:17:3539

BUSER, WARREN M.
See Peter A. Hakman, SM3:Jun 62:151:3176

BUSH, ALBERT F.
Dissolved Solids Removal from Waste Water by Algae, with John D. Isherwood and Shiva Rodgi, TR:128III:84:3418

BUSH, EDWARD G. W.
See John C. King, TR:128I:1279:3486

BUSHNELL, WALTER J.
Oregon--Interceptor Sewer Built in Lake Oswego, with William J. Dorner, CE:Mar 63:54

BUSSE, FRANK AUGUST
Memoir of, TR:128V:116

BUTLER, DONALD J.
Dsc of "Critical Buckling Loads for Tapered Columns," TR:128II:751:3490

BUTLER, MERRILL
Memoir of, TR:128V:117

BYERS, WILLIAM G.
Stabilization of Canadian River at Canadian, Texas, WW3:Aug 62:13:3214
Dsc: Harvill E. Weller, WW1:Feb 63:71:3442
Clo: WW2:May 63:83:3527

CADY, P. D.
Statistical Evaluation of Concrete Tests, CO1:Mar 63:19:3453
Dsc: Walter K. Wagner, CO2:Sept 63:131:3653; Edward A. Abdun-Nur, CO2:Sept 63:133:3653; V. M. Malhotra, CO2:Sept 63:133:3653

CAIN, GEORGE B.
Dsc, PO1:Sept 63:143:3652, of "Power Station Structural Steel and Concrete Chimneys", PO3:Sept 62:41:3268

CALVERT, JAMES D.
Dsc, PO1:Sept 63:175:3652, of "Symposium on Pumped Storage: American Pumped Storage Equipment and Operation", PO4:Dec 62:135:3370
Dsc, PO1:Sept 63:166:3652, of "Symposium on Pumped Storage: Development of Reversible Pump-Turbines", PO4:Dec 62:83:3368

CAMPAGNE, J. P. A. VAN LOOKEREN
Nylon Used in Hydraulic Engineering, CE:Jan 63:31

CAMPBELL, E. WILSON
Dsc, HW1:Apr 63:123:3504, of "Urban Transportation Tasks of the Future", HW1:May 62:21:3120

CAMPBELL, JAMES M.
Dsc, HY3:May 63:324:3529, of "Guide for the Development of Flood Plain Regulations: Progress Report of the Task Force on Flood Plain Regulations of the Committee on Flood Control of the Hydraulics Division", HY5:Sept 62:73:3264

CARLSON, E. J.
Control of Alluvial Rivers by Steel Jetties, with R.A. Dodge, Jr., TR:128IV:347:3496
Control of Alluvial Rivers by Steel Jetties, with R.A. Dodge, Jr., WW4:Nov 62:53:3332
Corr: WW4:Nov 63:89:3703

CARLSON, WALTER M.
Engineering Approach to Information Processing, ST4:Aug 63:31:3595

CARR, JAMES K.
Russia--Construction Boom, CE:Mar 63:39

CARTER, ROLLAND W.
Accuracy of Current Meter Measurements, with Irving E. Anderson, HY4:Jul 63:105:3572
See Jacob Davidian, TR:128I:398:3417

CARTER, WINFRED O.
See James M. Gere, TR:128II:736:3490

CASBARIAN, A. O. PETER
Dsc, with Abdul K. Jamal, SM4:Jul 63:243:3578, of "Study of Failure Envelope of Soils", SM1:Feb 63:145:3430

CATTON, MILES D.
Dsc, SM3:May 63:189:3528, of "Soil-Cement as Slope Protection for Earth Dams", SM6:Dec 62:107:3361

CEDERGREN, H. R.
Dsc, SM5:Sept 63:123:3654, of "Earthquake Resistance of Sloping Core Dams", SM1:Feb 63:209:3434

CELIS, A. J.
Zero Sidesway Axis of Rigid Frames, with P. Glockner, ST5:Oct 63:65:3662

CHAJES, ALEXANDER
Effects of Cold-Straining on Structural Sheet Steels, with S.J. Britvec and George Winter, ST2:Apr 63:1:3477
Dsc: S.T. Rolfe, ST5:Oct 63:333:3688; W. Carl Anderson, ST6:Dec 63:435:3743

CHANG, JERRY C. L.
Dsc of "Deflection Theory of Arches," TR:128II:331:3439
See Rodney J. Clifton, ST5:Oct 63:133:3675

CHAPLIN, T. K.
Dsc, SM3:May 63:193:3528, of "Analysis of Primary and Secondary Consolidation", SM6:Dec 62:207:3373

CHAPMAN, WILLIAM H.
Field Control for Antarctic Mapping, SU1:Nov 62:29:3316
Corr: SU3:Oct 63:177:3684

CHATURVEDI, M. C.
Flow Characteristics of Axisymmetric Expansions, HY3:May 63:61:3515

CHECK, RONALD
See Melvin L. Baron, EM1:Feb 63:57:3432

CHELLIS, ROBERT D.
Dsc, PO1:Sept 63:141:3652, of "Civil Engineer's Responsibilities in Design of Steam Electric Stations", PO3:Sept 62:1:3262
Dsc of "Pile Heave and Redriving," TR:128I:587:3432

CHEN, LOH-KWAN
Analysis of Vierendeel Truss by Influence Moments, ST4:Aug 62:33:3227
Dsc: A.F. Diwan, ST1:Feb 63:261:3435; A.A. Eremin, ST1:Feb 63:267:3435; Dronnadula V. Reddy and Adoorvalappil C. Gangadharan, ST1: Feb 63:268:3435; Donald L. Dean, ST2:Apr 63: 229:3502
Clo: ST6:Dec 63:415:3743

CHENEY, JAMES A.
Bending and Buckling of Thin-Walled Open-Section Rings, EM5:Oct 63:17:3665
Deflection of Hinged Rings Under Uniform Pressure, EM6:Dec 63:161:3721
See Ardis White, TR:128I:463:3426

CHENG, DAVID H.
Dsc of "Analysis of Structures by System Theory," TR:128II:808:3508

CHESSON, E., JR.
Riveted and Bolted Joints: Truss-Type Tensile Connections, with W.H. Munse, ST1:Feb 63:67: 3412
Dsc: A.J. Francis, ST5:Oct 63:329:3688
See C.W. Lewitt, ST1:Feb 63:49:3411
See W.H. Munse, ST1:Feb 63:107:3413

CHEW, RICHARD SANDERS
Memoir of, TR:128V:118

CHILDS, L. D.
Tests of Concrete Pavements on Crushed Stone, with J.W. Kapernick, HW1:Apr 63:57:3497

CHILVER, A. H.
See S.J. Britvec, EM6:Dec 63:217:3736

CHINN, JAMES
Dsc of "Bar-Chain Method for Analyzing Truss Deformation," TR:128II:90:3401
See Natarajan Krishnamurthy, ST4:Aug 63:389: 3606

CHITAMBARAN, V. K.
See A.G. Mirajgaoker, HY3:May 63:362:3529

CHOW, VEN TE
Hydrologic Design of Culverts, HY2:Mar 62:39: 3071
Dsc: Brian M. Reich, HY4:Jul 62:343:3209; D. F. Witherspoon, HY5:Sept 62:317:3290; J. Amorocho, HY5:Sept 62:320:3290; R. Robinson Rowe, HY5:Sept 62:322:3290; Gene E. Willeke, HY5:Sept 62:324:3290; W.H. Espey, Jr., and S.P. Sauer, HY6:Nov 62:191:3338
Clo: HY2:Mar 63:161:3468

CHRISTIANSEN, J. E.
Dsc of "Evaporation at High Elevations in California," TR:128III:466:3513
Dsc of "Tolerance of Plants to Salinity," TR:128III:572:3518
Dsc, IR3:Sept 63:103:3655, of "Unique Consumptive-Use Curve Related to Irrigation Practice", IR1:Mar 63:43:3449

CHU, KUANG-HAN
Analysis and Design of Struts with Tension Ties, with Sigmon S. Berge, ST1:Feb 63:127: 3414
Dsc: Bruce G. Johnston, ST5:Oct 63:331:3688
Plastic Analysis of Circular Balcony Girders, with Arthur Thelen, ST6:Dec 63:159:3726
Use of Orthotropic Plate Theory in Bridge Design, with G. Krishnamoorthy, ST3:Jun 62:35: 3157
Dsc: Roman Wolchuk, ST6:Dec 62:321:3376; Tung Au, ST1:Feb 63:245:3435
Clo: ST3:Jun 63:165:3560
Corr: ST5:Oct 63:247:3688

CHU, TSU-KAI
Dsc of "Variational Methods in Fluid Dynamics," TR:128I:814:3444

CHURCHILL, M. A.
Prediction of Stream Reaeration Rates, with H. L. Elmore and R.A. Buckingham, SA4:Jul 62:1: 3199
Dsc: C.H.J. Hull and John A. DeFilippi, SA2: Apr 63:97:3501; Horace E. Williams and Peter A. Krenkel, SA2:Apr 63:109:3501
Col: SA5:Oct 63:39:3685

CICALA, PLACIDO
Consistent Approximations in Shell Theory, TR:128I:1203:3479

CLARK, JOHN W.
Suggested Specifications for Structures of Aluminum Alloys 6061-T6 and 6062-T6: Report of the Task Committee on Lightweight Alloys of the Committee on Metals of the Structural Division, ST6:Dec 62:1:3341
Corr: ST5:Oct 63:277:3688
Suggested Specifications for Structures of Aluminum Alloy 6063-T5 and 6063-T6: Report of the Task Committee on Lightweight Alloys of the

CLARK, JOHN W. Continued
Committee on Metals of the Structural Division, ST6:Dec 62:47:3342
Corr: ST5:Oct 63:275:3688

CLARK, P. W.
Dsc, CE:Nov 63:72, of "News Brief," "Texas Concrete Bridge Reinforced with High-Strength Steel Bars," CE:Sep 63:83

CLAY, LUCIUS
Awarded John Fritz Medal, CE:Aug 63:74

CLEARY, EDWARD J.
Billion-Dollar River Clean-Up, SA6:Nov 62:97:3333
Dsc: Richard S. Rhodes, SA2:Apr 63:131:3501; Karl Imhoff, SA3:Jun 63:89:3556; O.C. Thompson, SA3:Jun 63:90:3556; C. Biemond, SA3:Jun 63:92:3556; F.G. Pohland, SA3:Jun 63:92:3556; Wyatt E. Williams, SA3:Jun 63:94:3556; G.W. Whetstone, P.G. Drake and C.R. Collier, SA3:Jun 63:95:3556; John E. Kinney, SA3:Jun 63:97:3556; Roy E. Lundquist, SA3:Jun 63:97:3556; Allen V. Kneese, SA3:Jun 63:98:3556; G.A. Howell, SA4:Aug 63:133:3618

CLIFTON, RODNEY J.
Analysis of Orthotropic Plate Bridges, with Jerry C.L. Chang and Tung Au, ST5:Oct 63:133:3675
See Vilis Vitols, ST4:Aug 63:71:3584

CLOUGH, R. W.
See H.B. Seed, SM1:Feb 63:209:3434

CLOUGH, RAY W.
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:202:3407
Large Capacity of Mulitstory Frame Analysis Programs, with Edward L. Wilson and Ian P. King, ST4:Aug 63:179:3592

COCHRAN, ALBERT L.
See Thorndike Saville, Jr., TR:128IV:195:3465

COHN, M. Z.
Dsc, ST2:Apr 63:205:3502, of "Limit Design of Reinforced Concrete Beams", ST7:Jul 60:1:2541

COLBERT, LARRY A.
Dsc of "Critical Buckling Loads for Tapered Columns," TR:128II:746:3490

COLBY, BRUCE R.
Dsc, HY1:Jan 63:266:3405, of "Sediment Transportation Mechanics: Introduction and Properties of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division", HY4:Jul 62:77:3194

COLCORD, J. E.
Dsc, SU3:Oct 63:187:3684, of "Role of Surveying in Civil Engineering Education", SU1:Feb 63:27:3420

COLE, RALPH
A Retired Engineer in the Peace Corps (Ralph Cole), Phillip D. Hardberger, CE:Nov 63:54

COLLIER, C. R.
See G.W. Whetstone, SA3:Jun 63:95:3556

COLLOPY, FRANCIS H.
Dsc, EM4:Aug 63:86:3616, of "Stability of Equilateral Triangular Plates", EM1:Feb 63:37:3426

COLTRIN, GORDON LAWRENCE
Memoir of, TR:128V:119

COMPTON, AUGUST W.
Reinforced Concrete Pavements for Airports, TR:128IV:27:3400

CONNOLLY, JOHN E.
See George C. Stewart, CE:Apr 63:52

CONRAD, HANS
See H.L. Sujata, TR:128I:1353:3488

CONWAY, H. D.
Stresses in a Pressurized Box, ST2:Apr 63:95:3492
Dsc: Robert Schmidt, ST5:Oct 63:349:3688

COPEN, MERLIN D.
Dsc, with Erwin L. Schaffer, PO1:Sept 63:133:3652, of "Symposium on Pumped Storage: Run-of-River Pumped Storage--Smith Mountain Project", PO2:July 62:183:3203

CORBETT, DON M.
Public Recognition--A Measure of the Civil Engineer's Success, CE:Apr 63:55

CORDERY, IAN
Dsc, HY6:Nov 63:289:3708, of "Short Cuts in Hydrology", HY3:May 63:203:3522

COREY, ARTHUR T.
Dsc of "Mechanics of Evapo-Transpiration," TR:128III:437:3512

CORRSIN, S.
Dsc of "Turbulent Diffusion and Anemometer Measurements," TR:128I:1627:3507

CORTELYOU, SPENCER VAN ZANDT
Memoir of, TR:128V:119

COSTA, F. VASCO
Dsc, WW2:May 63:99:3527, of "Offshore Mooring Island for Supertankers", WW4:Nov 62:1:3311

COUGHLIN, R. E.
Dsc, CE:Nov 63:73, of "International Relationships in Engineering," CE:Jun 63:31

COWIN, ALDEN LLOYD
Memoir of, TR:128V:120

COYLE, HARRY M.
See Lymon C. Reese, SM1:Feb 63:285:3436

CRAIG, C. L.
See E.A. Johns, SM1:Feb 63:95:3423

CRAIG, F. C.
California--A Moving Boatline for River Flow Measurement at Sacramento, with Winchell Smith, CE:Sep 63:43

CRAWFORD, CARL B.
Dsc of "Cohesion After Non-Hydrostatic Consolidation," TR:128I:974:3452
Dsc, SM1:Feb 63:316:3436, of "Direct-Shear Test for Effective-Strength Parameters", SM4: Aug 62:109:3232

CRAWFORD, RAYMOND R.
Relationship of Compression Ratio to Gas Pipelines, PL2:Sept 61:11:2932
Dsc: John Johann, PL1:Jan 63:55:3400

CROY, E. L.
See A.C. Scordelis, TR:128II:342:3446

CRUM, R. G.
See A.M. DiGioia, Jr., TR:128I:1119:3470

CRUMP, LEWIS W.
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33

CSENDES, FRANCIS E.
Dsc, WW2:May 63:102:3527, of "Offshore Mooring Island for Supertankers", WW4:Nov 62: 1:3311

CULBERTSON, J. K.
See C.F. Nordin, Jr., TR:128I:303:3414

CULP, GORDON L.
Dsc, with Grover L. Morris, SA3:Jun 63:81: 3556, of "Package Aeration Plants in Florida", SA6:Nov 62:75:3330

CUMMINGS, ROBERT
Former ASCE Director dies, CE:Jan 63:80

CUNIFF, P. F.
Transient Response of Nonlinear Systems, EM2:Apr 63:19:3474

CURTIS, HOWARD GRAY
Memoir of, TR:128V:121

CURTIS, J. J.
See W.A. Waldorf, SM4:Jul 63:91:3576

CZERNIAK, E.
Analytical Approach to Biaxial Eccentricity, ST4:Aug 62:105:3239
Dsc: T. Lazear, ST6:Dec 62:335:3376
Clo: ST3:Jun 63:171:3560

DABROWSKI, RYSZARD
Analysis of Prestressed Cylindrical Shell Roofs, ST5:Oct 63:91:3668
Dsc, ST5:Oct 63:337:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2: Apr 63:49:3479
Dsc, ST5:Oct 63:363:3688, of "Ultimate Load of H-Columns Under Biaxial Bending", ST2:Apr 63:161:3503

DaDEPPO, D. A.
Damping in Discrete Linear Elastic Systems, EM2:Apr 63:13:3472
Dsc: John J. Driskell, EM4:Aug 63:91:3616

DANIELS, ALBERT W.
Dsc, CE:Feb 63:31, on "The Public Image of the Civil Engineer," CE:Apr 63:61

D'APPOLONIA, E.
Load Transfer in End-Bearing Steel H-Piles, with J.P. Romualdi, SM2:Mar 63:1:3450
Dsc: Charles L. Nalezny, SM5:Sept 63:127: 3654; Melvin I. Esrig, SM5:Sept 63:127:3654; Yoshichika Nishida, SM5:Sept 63:131:3654; J. Prazystanski, SM6:Nov 63:97:3701
Load Transfer in a Step-Taper Pile, with J.A. Hribar, SM6:Nov 63:57:3700

DAVENPORT, ALAN GARNETT
Buffetting of a Suspension Bridge by Storm Winds, ST3:Jun 62:233:3181
Dsc: George S. Vincent, ST1:Feb 63:257:3435
Clo: ST5:Oct 63:255:3688

DAVENPORT, J. D.
Colorado--At NORAD Combat Operations Center--New Techniques for Backfilling Shafts, with J.C. King, CE:Oct 63:55

DAVENPORT, ROYAL W.
Dsc, HY3:May 63:375:3529, of "Plotting Positions and Economics of Engineering Planning", HY6:Nov 62:57:3317

DAVIDIAN, JACOB
Disc, with Rolland W. Carter, of "Roughness Spacing in Rigid Open Channels," TR:128I:398: 3417

DAVIES, R. M.
Dsc, ST5:Oct 63:297:3688, of "Metallic Dome-Structure Systems", ST6:Dec 62:201:3358

DAVIES, J. MICHAEL
Dsc, ST6:Dec 63:455:3743, of "Stability of Frames Under Primary Bending Moments", ST3:Jun 63:35:3547

DAVIS, HAROLD R.
Computer Solution of Storm Surges, WW3:Aug 62:117:3231
Dsc: D. Lee Harris, WW1:Feb 63:75:3442
Clo: WW3:Aug 63:59:3621

DAVIS, JOHN R.
Dsc, IR3:Sept 63:91:3655, of "Subsurface Water Distribution in Surface Irrigation", IR1:Mar 63: 1:3445

DAVIS, S.
Dsc of "Critical Flow in Terms of Hydraulic Equivalents," TR:128III:491:3515

DAVIS, SYDNEY
Unification of Parshall Flume Data, IR4:Dec 61:13:3006
Dsc: W.L. Foss, IR1:Mar 62:49:3085; Armando Balloffet, IR2:Jun 62:111:3170; A.R. Robinson and Henry Liu, IR2:Jun 62:112:3170; R.A. Dodge, Jr., IR3:Sept 62:43:3286
Clo: IR2:Jun 63:61:3554
Unification of Parshall Flume Data, TR:128III: 399:3511

DAVISSON, M. T.
Laterally Loaded Piles in a Layered Soil System, with H.L. Gill, SM3:May 63:63:3509
See R.B. Peck, SM1:Feb 63:279:3436

DAWSON, FRANCIS
Former Director of ASCE dies, CE:May 63:76

DAWSON, RAYMOND F.
Land Subsidence Problems, SU2:Jun 63:1:3531
Dsc: E.H. Harlow, SU3:Oct 63:217:3684; Paul Weaver, SU3:Oct 63:218:3684

DAYARATNAM, PASALA
Buckling of Shear Buildings, ST6:Dec 62:149: 3350
Dsc: Martin L. Moody, ST5:Oct 63:285:3688

DEAKYNE, E. S.
Maryland--Baltimore Builds Charles Center to Revitalize Downtown Area, CE:Aug 63:54

DEAN, DONALD L.
Dsc, with Celina P. Ugarte, ST5:Oct 63:351: 3688, of "Analysis of Rigid Frames by Difference Equations", ST2:Apr 63:127:3499
Dsc, ST2:Apr 63:229:3502, of "Analysis of Vierendeel Truss by Influence Moments", ST4: Aug 62:33:3227
Dsc, EM3:Jun 63:209:3562, of "Network Analogy for the Truss Problem", EM6:Dec 62:33:3357
Dsc, ST2:Apr 63:235:3502, of "Stability of Space Frames by Computer Analysis", ST4:Aug 62:81:3237
Membrane Analysis of Shells, EM5:Oct 63:65: 3682

DEARINGER, JOHN A.
Auto Trips to the Central Business District, TR:128IV:278:3482

DEARSTYNE, S. CHAS.
Subgrade Stabilization Under an Existing Runway, with Gene J. Newman, AT1:Apr 63:1:3473
Dsc: William H. Gotolski, AT2:Oct 63:47:3686

DeFAZIO, FRANKLIN
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1524:3502

DeFILIPPI, JOHN A.
See C.H.J. Hull, SA2:Apr 63:97:3501

DEIGNAN, J. E.
Dsc, WW1:Feb 63:73:3442, of "Wave Forces on Breakwater Capstones," WW3:Aug 62:27:3218

DELLEUR, J. W.
Variational Methods in Fluid Dynamics, with A.A. Sooky, TR:128I:794:3444
See P.F. Biery, TR:128I:372:3417

DERBY, RAY L.
Disc, with William K. Weight, of "Research and the Professional Society," TR:128V:100:3506

DESAYI, PRAKASH
Influence Lines for Fixed Symmetrical Arches by Relaxation Method, ST1:Feb 62:13:3049
Dsc: K.R. Patel, ST4:Aug 62:239:3254; Max Kurtz, ST4:Aug 62:240:3254
Clo: ST1:Feb 63:229:3435

DESCHAPELLES, BERNARDO
Beam Analogy for the Solution of Vierendeel Trusses, ST5:Oct 62:25:3299
Dsc: A.A. Erimin, ST2:Apr 63:253:3502; Gubbi K. Narasimhamurthy and Dronnadula V. Reddy, ST2:Apr 63:253:3502
Clo: ST5:Oct 63:269:3688

DEWIEST, ROGER J. M.
Replenishment of Aquifers Intersected by Streams, HY6:Nov 63:165:3706

DIACHISHIN, ALEX N.
Dsc, SA3:Jun 63:109:3556, of "Hydraulic Model Tests of Estuarial Waste Dispersion", SA1:Jan 63:51:3394
Dye Dispersion Studies, SA1:Jan 63:29:3386
Waste Disposal in Tidal Waters, SA4:Aug 63: 23:3602

DIAKONOFF, P.
Dsc, ST6:Dec 63:429:3743, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25: 3409

DICKER, DANIEL
Dsc of "Variational Methods in Fluid Dynamics," TR:128I:815:3444

DICKINSON, MAURICE L.
Dsc of "Arch Dam Analysis with an Electric Analog Computer," TR:128I:195:3403

DICKSON, W. J.
Ground Vehicle Mobility on Soft Terrain, SM4: Aug 62:69:3225
Dsc: Dean R. Freitag and Robert D. Wismer, SM2:Mar 63:141:3467
Clo: SM5:Sept 63:93:3654

DIERCKS, FREDERICK O.
Military Requirements for Topographic Maps, SU1:Nov 62:7:3315
Dsc: Daniel Kennedy, SU2:Jun 63:89:3563; Virgil A. Walston, SU3:Oct 63:175:3684

DiGIOIA, A. M., JR.
Yielding at Varying Load Rates, with R.G. Crum, TR:128I:1119:3470

DILL, F. H.
Specifications for Structural Joints Using ASTM-A325 Bolts: Progress Report of the Task Committee on Riveted and Bolted Joints of the Committee on Metals of the Structural Division, ST5:Oct 62:11:3294
Dsc: Neal H. Bettigole, ST1:Feb 63:281:3435; M. Zar, ST2:Apr 63:251:3502; R.S. Loubser, ST3:Jun 63:197:3560; D.T. Wright, ST3:Jun 63: 198:3560

DiMAGGIO, F. L.
Dsc of "Vibration Analysis for Structural Floor Systems," TR:128II:300:3438

DiMAGGIO, FRANK L.
Principle of Virtual Work in Structural Analysis, TR:128II:183:3407
Statical Indeterminacy and Stability of Structures, ST3:Jun 63:63:3548

DISKIN, M. H.
End Depth at a Drop in Trapezoidal Channels, HY4:Jul 61:11:2851
Dsc: N. Rajaratnam; HY1:Jan 62:119:3044; Subir Kar, HY1:Jan 62:131:3044; H.I. Hamid, HY1:Jan 62:133:3044; J.A. Replogle, HY2:Mar 62:161:3087
Clo: HY5:Sept 62:273:3290
Corr: HY1:Jan 63:165:3405
Dsc, HY2:Mar 63:203:3468, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327
Temporary Flow Measurement in Sewers and Drains, HY4:Jul 63:141:3574

DIWAN, A. F.
Dsc, ST1:Feb 63:261:3435, of "Analysis of Vierendeel Truss by Influence Moments", ST4: Aug 62:33:3227

DOBBINS, WILLIAM E.
Dsc of "Turbulent Diffusion and the Reaeration Coefficient," TR:128III:324:3491

DODGE, R. A., JR.
Dsc of "Unification of Parshall Flume Data," TR:128III:417:3511
See E.J. Carlson, TR:128IV:347:3496
See E.J. Carlson, WW4:Nov 62:53:3332

DONNAN, WILLIAM W.
Field Measurement of Hydraulic Conductivity, with V.S. Aronovici, TR:128III:103:3419

DONOGHUE, GEORGE TERRY
Memoir of, TR:128V:122

DORNER, WILLIAM J.
Oregon--Interceptor Sewer Built in Lake Oswego, with Walter J. Bushnell, CE:Mar 63:54

DOUGAL, MERWIN
Dsc, HY3:May 63:359:3529, of "Analysis of Synthetic Unit-Graph Methods", HY5:Sept 62:199: 3279

DOUGLAS, A. G.
See T.H. Wu, SM3:Jun 62:1:3158

DOUMA, J. H.
Dsc, HY6:Nov 63:287:3708, of "Experience with Prototype Energy Dissipators", HY3:May 63:181: 3521

DRACUP, J. A.
See P.S. Eagleson, HY1:Jan 63:35:3387

DRAKE, P. G.
See G.W. Whetstone, SA3:Jun 63:95:3556

DRAZIN, PHILIP G.
Stability in a Continuously Stratified Fluid, with Louis N. Howard, TR:128I:849:3447

DRISCOLL, GEORGE C., JR.
See Yuzuru Fujita, TR:128II:466:3460

DRISKELL, JOHN J.
Dsc, EM4:Aug 63:91:3616, of "Damping in Discrete Linear Elastic Systems", EM2:Apr 63:13: 3472

DROBNY, NEIL L.
Effect of Paddle Design on Flocculation, SA2: Apr 63:17:3480

DROUGHT, A. BERNARD
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:59:3497

DUBIN, EUGENE A.
Illinois--Timber Piles Reused in Place for Chicago Garage, CE:Jun 63:39

DUKE, C. MARTIN
See Ardis White, TR:128I:463:3426

DUMM, LEE D.
Dsc, IR4:Dec 63:53:3746, of "Design of Tile Drainage for Falling Water Tables", IR2:Jun 63: 1:3543

DURELLI, A. J.
Dsc, EM3:Jun 63:201:3562, of "Extended Frozen Stress Method", EM6:Dec 62:1:3351
Interpretation of Moiré Patterns, with C.A. Sciammarella and V.J. Parks, EM2:Apr 63:71: 3485

EAGLESON, P. S.
Equilibrium Characteristics of Sand Beaches, with B. Glenne and J.A. Dracup, HY1:Jan 63: 35:3387

EAGLESON, PETER S.
Laminar Damping of Oscillatory Waves, HY3: May 62:155:3152
Dsc: S.J. Lukasik and C.E. Grosch, HY1:Jan 63:231:3405
Clo: HY6:Nov 63:229:3708
Unit Hydrograph Characteristics for Sewered Areas, HY2:Mar 62:1:3069
Dsc: Gene E. Willeke, HY4:Jul 62:341:3209; Frank U. Druml, HY5:Sept 62:299:3290; M.B. McPherson and M. Joseph Willis, HY5:Sept 62:

EAGLESON, PETER S. Continued
303:3290; W.H. Espey, Jr., HY6:Nov 62:181: 3338; Neal E. Minshall and D.A. Woolhiser, HY6:Nov 62:184:3338; Donald VanSickle, HY6: Nov 62:186:3338
Clo: HY4:Jul 63:193:3580
See Frank E. Perkins, HY1:Jan 63:219:3405
See Frank E. Perkins, TR:128I:1538:3502

EARNEST, G. BROOKS
Civil Engineering Education--Some Vital Issues, CE:Feb 63:52
Dsc: C.C. Johnston, CE:Apr 63:61; C.R. Neill, CE:Apr 63:61, J.W. Feiss, CE:Jun 63: 68

ECKENFELDER, W. WESLEY, JR.
Trickling Filtration Design and Performance, TR:128III:371:3510

ECKENFELDER, WESLEY, JR.
Trickling Filtration Design and Performance, SA4:Jul 61:33:2860
Dsc: V.C. Behn, W.F. Ames, and K. Keshavan, SA1:Jan 62:31:3043; W.E. Howland, SA1: Jan 62:38:3043; H.A. Hawkes, SA1:Jan 62:39: 3043; J. Ganczarczyk, SA2:Mar 62:117:3086
Clo: SA3:Jun 63:65:3556

EDEN, W. J.
Dsc, SM1:Feb 63:309:3436, of "Experience with Canadian Varved Clays", SM4:Aug 62:31:3224

EDIE, LESLIE C.
Analytic Methods in Transportation: Operations Research in Tunnel Traffic Control, EM6:Dec 63: 15:3716

EICHLER, JOHN O.
Dsc, HW1:Apr 63:131:3504, of "Simplified Design of a Highway Transition Spiral", HW2:Sept 62:1:3277

EINSTEIN, H. A.
Engineering Derivation of the Navier-Stokes Equations, EM3:Jun 63:1:3533
Dsc: Turgut Sarpkaya, EM4:Aug 63:99:3616; Enzo O. Macagno, EM4:Aug 63:100:3616; Robert Schmidt, EM4:Aug 63:102:3616; H. Ramsey and W.D. Liam Finn, EM5:Oct 63:105:3687
Experimental Apparatus Studies Sediment Transport in Closed Conduits, with W.H. Graf, CE:Oct 63:52

EISEMANN, KURT
Space Frame Analysis by Matrices and Computer, with Lin Woo and Saul Namyet, ST6:Dec 62:245:3365
Dsc: C.W. McCormick, ST2:Apr 63:267:3502; J.D. Renton, ST3:Jun 63:211:3560; William R. Spillers, ST3:Jun 63:215:3560; John H. Wells, ST5:Oct 63:299:3688
Clo: ST6:Dec 63:427:3743

EISENHOWER, DWIGHT D.
Presented with Benjamin F. Fairless Memorial Medal, CE:Aug 63:84

ELDRIDGE, WINFIELD H.
Dsc, SU3:Oct 63:197:3684, of "Land Surveying and Land Registration", SU1:Feb 63:59:3437
Dsc, SU3:Oct 63:181:3684, of "Solar-Altitude Azimuth", SU1:Feb 63:1:3410
Uniform Requirements ofr Property Surveys, SU2:Jun 63:27:3537

ELLIOT, REED A.
Dsc, HY1:Jan 63:246:3405, of "Perspective on National Water Resources Planning", HY4:Jul 62:17:3188
TVA's Paradise Steam Plant, with Walter F. Emmons and Henry T. Lofft, PO1:May 62:89: 3137
Dsc: Harold J. Petersen, PO4:Dec 62:171:3374; C.W. Priest, PO4:Dec 62:172:3374; H.P. Cadario, PO4:Dec 62:174:3374, Adolf A. Meyer, PO4:Dec 62:176:3374; Stanley Moyer, PO4:Dec 62:177:3374; R.A. Baker, PO4:Dec 62:180:3374; Theodore Baumeister, PO4:Dec 62:180:3374
Clo: PO1:Sept 63:91:3652

ELLIS, C. W.
Dsc on CIVIL ENGINEERING Reader Survey questionnaire prompts careful reading, CE:Jul 63:62

ELMHORST, ROY G.
Dsc, thanks for an ASCE Student Chapter scholarship, CE:Aug 63:63

ELMORE, H. L.
See M.A. Churchill, SA4:Jul 62:1:3199

ELSENER, L. A.
Dsc, PP1:Jan 63:108:3401, of "Atomic Power, A Failure in Engineering Responsibility", PP2: Oct 61:43:2975
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:74:3497

ELSER, L. G.
Pomme de Terre Dam of Earth and Rockfill, with D.E. Schuster, SM1:Feb 63:67:3418

ELSTON, JUDSON P.
Bibliography on Cement Grouting: Progress Report of the Committee on Grouting of the Soil Mechanics and Foundations Division, SM4:Jul 63:45:3575
Cement Grouting: Progress Report of the Task Committee on Cement Grouting of the Soil Mechanics and Foundation Division, SM2:Apr 62:49: 3098
Dsc: Judson P. Elston, SM5:Oct 62:45:3306; S. Champion, SM6:Dec 62:245:3378, Thomas F. Thompson, SM6:Dec 62:245:3378
Clo: with Curtis G. Anderson and James M. Polatty, SM4:Jul 63:165:3578
Dsc of "Symposium on Grouting: Grouting of Granular Materials," TR:128I:1310:3486

EMMONS, WALTER F.
Civil Engineering Design of TVA Steam Stations, with Warren C. Boop, PO3:Sept 62:73: 3270

EMMONS, WALTER F. Continued
Dsc: Adolf A. Meyer, PO1:Sept 63:145:3652
See Reed A. Elliot, PO1:May 62:89:3137

ENDICOTT, JOHN
Winner of ASCE Research Fellowship, CE:Sep 63:68

ENGSTROM, U. V.
Washington--Innovations at Wanapum Dam, CE:Oct 63:43

ENRIQUEZ R., ROMEO
Mexico--A New Project for Mexico City, with Alejandro Fierro, CE:Jun 63:36
Corrections and additions, R. Enriquez R., CE:Sep 63:64

EPPS, FREDERICK WILLIAM
Memoir of, TR:128V:123

ERDMENGER, JORGE ERNESTO
Behavior of Volcanic Soils in Highway Construction, CO2:Sept 62:1:3256
Dsc: W.H. Gotolski, CO1:Mar 63:107:3465
Clo: CO2:Sept 63:125:3653

EREMIN, A. A.
Dsc, ST1:Feb 63:267:3435, of "Analysis of Vierendeel Truss by Influence Moments", ST4: Aug 62:33:3227
Dsc, ST2:Apr 63:253:3502, of "Beam Analogy for the Solution of Vierendeel Trusses", ST5:Oct 62:25:3299
Dsc, EM1:Feb 63:95:3440, of "Dynamic Behavior of Cantilever Bridges", EM4:Aug 62:27: 3229
Dsc, EM4:Aug 63:89:3616, of "Elastic Rayleigh Wave Effects Due to Nuclear Blasts", EM5:Oct 61:33:2961
Dsc, ST3:Jun 63:209:3560, of "Lateral Stiffness of Infilled Frames", ST6:Dec 62:183:3355
Dsc, EM5:Oct 63:103:3687, of "Model Prediction of Fracture Due to Explosions", EM2:Apr 63:133:3491
Dsc, ST3:Jun 63:208:3560, of "Model Studies of a Concrete Hyperbolic Paraboloid", ST6:Dec 62:161:3353
Dsc of "Short Flexible Suspension Bridges for Heavy Trucks," TR:128II:945:3521
Dsc, ST1:Feb 63:279:3435, of "Stability of Space Frames by Computer Analysis", ST4:Aug 62:81:3237
Dsc, EM5:Oct 63:99:3687, of "Strong Shock Formation in Bilinear Hardening Media", EM2: Apr 63:1:3471
Dsc, ST2:Apr 63:257:3502, of "Testing a Light Gage Steel Hyperbolic Paraboloid Shell", ST5: Oct 62:51:3300
Dsc of "Tests on a 120-ft-Span Prestressed Concrete Beam," TR:128II:150:3404

ERGANIAN, GEORGE
Indiana--Richmond Sewer Extension Promotes Municipal Growth, with William Edwin Ross, CE:Mar 63:48
Dsc: R.R. Bradshaw, CE:Jun 63:69

ERIKSSON, S. C. B.
See R.G. Robertson, TR:128II:363:3446

ESCOFFIER, FRANCIS F.
Stability Aspects of Flow in Open Channels, with Marden B. Boyd, HY6:Nov 62:145:3331
Dsc: Paraxitelis A. Argyropoulos, HY3:May 63:407:3529; T.E. Unny and V.V. Jayaraman, HY4:Jul 63:259:3580; Carlo Montuori, HY4:Jul 63:264:3580

ESKINAZI, S.
Mixing of a Turbulent Wall-Jet into a Free-Stream, with V. Kruka, TR:128I:1055:3463

ESPEY, JR., W. H.
Dsc, HY6:Nov 63:262:3708, of "Channel Stability in Undisturbed Cohesive Soils", HY2:Mar 63:87:3462

ESRIG, MELVIN I.
Dsc, SM5:Sept 63:127:3654, of "Load Transfer in End-Bearing Steel H-Piles", SM2:Mar 63:1: 3450

ESTUAR, F. R.
See L. Tall, TR:128I:842:3445

EVANS, WESTON S.
Dsc, PP1:Jan 63:105:3401, of "Atomic Power, A Failure in Engineering Responsibility", PP2: Oct 61:43:2975
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:70:3497

EYRING, HENRY
See Francis H. Ree, TR:128I:1321:3488

EWBANK, T.
See G. Wempner, EM4:Aug 63:17:3597

FABIAN, EDWARD SYDNEY
Memoir of, TR:128V:124

FADER, IRVING
Grid Analysis by the Reaction Distribution Method, TR:128II:255:3428

FARNEY, HAROLD S.
Side-Channel Spillway Design, with Adolfs Markus, HY3:May 62:131:3143
Dsc: Praxitelis A. Argyropoulos, HY6:Nov 62: 225:3338; Edward J. Groscurth, HY6:Nov 62:226: 3338; Dagan (Drimmer) Gedeon, HY6:Nov 62:227: 3338; Fred W. Blaisdell, HY1:Jan 63:227:3405; E.P. Story and P.L. Manley, HY1:Jan 63:228: 3405; Julian Hinds, HY4:Jul 63:209:3580
Clo: HY6:Nov 63:223:3708

FARRELL, D. A.
Dsc of "Terminal Shape of a Shallow Liquid Front," TR:128I:626:3433

FEDA, J.
Dsc, SM3:May 63:172:3528, of "Bearing Capacity of Foundations", SM5:Oct 62:13:3302

FEISS, J. W.
Dsc, CE:Jun 63:68, of "Civil Engineering Education," CE:Feb 63:52

FELD, JACOB
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:57:3497

FELDMAN, ARTHUR
Dsc, CE:Feb 63:58, on conservation of resources

FENG, CHUAN C.
Matrix Solution of Force Relaxation Method, ST3:Jun 63:1:3532

FENNELL, EARLE J.
Surveys and Maps for Industrial Growth, SU3: Oct 63:117:3673

FENVES, STEVEN J.
Dsc, EM6:Dec 63:277:3774, of "Network Analogy for Linear Structures", EM4:Aug 63:21: 3601
Network-Topological Formulation of Structural Analysis, with Franklin H. Branin, Jr., ST4: Aug 63:483:3611

FERGUSON, GEORGE E.
See Harold P. Guy, TR:128I:982:3457

FETZER, CLAUDE A.
Dsc of "Pile Heave and Redriving," TR:128I: 590:3432

FEUERSTEIN, DONALD L.
Fluorescent Tracers for Dispersion Measurements, with Robert E. Selleck, SA4:Aug 63:1: 3586

FIALA, GENE R.
Manifold Stilling Basin, with Maurice L. Albertson, TR:128I:428:3421

FIALKOW, M. N.
Folded Plate Analysis by Minimum Energy Principle, TR:128II:534:3468

FICKEL, H. H.
Dsc, EM2:Apr 63:153:3498, of "Moments and Free Vibrations in Curved Girder Bridges", EM1:Feb 62:1:3052

FIERING, MYRON B.
Dsc, HY6:Nov 63:285:3708, of "Project Yields by a Probability Method", HY3:May 63:41:3513
Dsc, SA2:Apr 63:125:3501, of "Reservoir Mass Analysis by a Low-Flow Series", SA5:Sept 62: 21:3283

FIERRO, ALEJANDRO
See Romeo Enriquez R.

FINGER, JOSEPH H.
Dsc of "Marine Oil Terminal for Rio de Janeiro, Brazil," TR:128IV:88:3410

FINN, W. D. LIAM
Boundary Value Problems of Soil Mechanics, SM5:Sept 63:39:3648
See H. Ramsey, EM5:Oct 63:105:3687
Dsc of "Prediction of Swelling Potential for Compacted Clays," TR:128I:1486:3501
Stability of Deep Cuts in Clay, CE:Jun 63:67

FINTEL, MARK
See Walter E. Kunze, CE:Dec 63:56

FISCHER, GEORGE E.
Dsc on overseas jobs for U.S. construction personnel, CE:Jul 63:62

FISCHER, JOSEPH A.
Dsc, with Jack K. Tuttle, SM4:Jul 63:207:3578, of "Ground Displacements from Air-Blast Loading", SM6:Dec 62:1:3346
Dsc, SM4:Jul 63:211:3578, of "Inelastic Wave Propagation in Soil Columns, SM6:Dec 62:33: 3347

FISHER, JOHN W.
See John L. Rumpf, ST6:Dec 63:215:3731

FISK, J. H.
Resigns from ASCE staff, CE:Jan 63:65

FLACK, J. ERNEST
Dsc of "Hood Inlet for Closed Conduit Spillways," TR:128I:32:3393

FLAXMAN, ELLIOTT M.
Channel Stability in Undisturbed Cohesive Soils, HY2:Mar 63:87:3462
Dsc: Earl H. Grissinger and Loris E. Asmussen, HY6:Nov 63:259:3708; W.H. Espey, Jr., HY6:Nov 63:262:3708

FLEMING, J. F.
See A.C. Heidebrecht, EM6:Dec 63:193:3730
See F.P. Wiesinger, ST6:Dec 63:1:3712

FLEMING, JOHN F.
Dynamic Response of Highway Bridges, with James P. Romualdi, ST7:Oct 61:31:2955
Dsc: Robert S. Ayre, ST3:Jun 62:323:3179; Tseng Huang, ST5:Oct 62:169:3309
Clo: ST2:Apr 63:221:3502

FLEMING, JULIAN R.
Dsc, SA2:Apr 63:129:3501, of "Package Aeration Plants in Florida", SA6:Nov 62:75:3330

FOGEL, CHARLES M.
Elastic Strength of Tapered Colums, with Robert L. Ketter, ST5:Oct 62:67:3301
Dsc: Robert Schmidt, ST2:Apr 63:259:3502
Clo: ST5:Oct 63:271:3688

FOOKES, P. G.
Dsc, with John M. McKenna, SM2:Mar 63:139: 3467, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223

FORBES, JAMES HYDE
Memoir of, TR:128V:124

FORSTER, JOHN W.
Design Studies for Chute-Des-Passes Surge-Tank System, PO1:May 62:121:3142
Dsc: Adolph A. Sutko, PO4:Dec 62:183:3374; I.W. McCaig, PO4:Dec 62:184:3374; Henry M. Paynter, PO4:Dec 62:185:3374
Clo: PO1:Sept 63:101:3652
Dsc, PP1:Jan 63:108:3401, of "Atomic Power, A Failure in Engineering Responsibility", PP2: Oct 61:43:2975
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:74:3497

FOSS, W. L.
Dsc of "Unification of Parshall Flume Data," TR:128III:412:3511

FOSTER, RICHARD F.
Action Guides for Radioactive Effluents from PRTR, with George E. Blackman, Norman C. Wittenbrock, and John M. Skarpelos, SA6:Dec 63:17:3733

FOUSS, JAMES L.
New Machine Lays Plastic Drains, CE:Apr 63:58

FOWLER, JOHN W.
Virginia--Chesapeake Bay Bridge-Tunnel Project: Bridge and Trestle Construction, CE:Dec 63:50

FOWLER, H. S.
Dsc on a motorist's views on signs and surfaces, CE:Nov 63:72

FOX, JAMES L.
Economies of High-Strength Steel for Reservoirs and Standpipes, CE:Apr 63:60
Dsc: R.V. McGrath, CE:Jul 63:62

FRANCIS, A. J.
Dsc, ST5:Oct 63:329:3688, of "Riveted and Bolted Joints: Truss-Type Tensile Connections", ST1:Feb 63:67:3412

FRANKLAND, J. M.
Symposium on Teaching of Materials: Aspects of Material Behavior Significant to Engineers, EM4:Aug 62:75:3246
Dsc: Desi D. Vasarhelyi, EM1:Feb 63:97:3440

FRANZINI, JOSEPH B.
California--Evaporation from a Covered Reservoir at Stanford University, with David W. Hill, CE:May 63:35

FREDERICK, DANIEL
Dsc, EM4:Aug 63:89:3616, of "Elastic Rayleigh Wave Effects Due to Nuclear Blasts", EM5:Oct 61:61:33:2961
Dsc of "Elasto-Plastic Analysis by Numerical Procedures," TR:128I:214:3408
Dsc, EM4:Aug 63:79:3616, of "Large Deflections of Plates on Elastic Foundations", EM1: Feb 63:1:3416

FREIBERG, S.
Conjugate Beam Simulated by Electric Currents, EM4:Aug 61:91:2909
Dsc. Campbell Massey, EM6:Dec 61:187:3030
Clo: EM5:Oct 63:89:3687

FREITAG, DEAN R.
Dsc, with Robert D. Wismer, SM2:Mar 63:141: 3467, of "Ground Vehicle Mobility on Soft Terrain", SM4:Aug 62:69:3225

FRENCH, W. D.
Joins staff of Technical Publications, CE:Jul 63:45

FRESEN, M. H.
Dsc, PO1:Sept 63:111:3652, of "Optimum Penstock Diameter in Hydroelectric Plants", PO2: July 62:9:3186

FREY, CARL
Engineering Salaries Up 60 Percent in Ten Years--EJC Survey, CE:May 63:42

FRIBERG, BENGT F.
The Challenge of Continuing Technical Excellence, PP1:Jan 63:1:3381

FRIEDMAN, EDMUND
An Impression of the Technical Division Activity in ASCE, Annual Address at the Conference, Milwaukee, Wisconsin, May 15, 1963, TR:128V:101:3522
Participation in 1963 Freedom Bond Drive urged, CE:Mar 63:74
A Review of the Technical Divisions of ASCE, President's Annual Address, CE:Jun 63:52

FRITZ, ROBERT W.
Dsc, CO2:Sept 63:137:3653, of "Water Supplies for Titan ICBM Bases", CO1:Mar 63:55:3455

FRY, ALBERT S.
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:60;3497
Dsc, HY3:May 63:319:3529, of "Guide for the Development of Flood Plain Regulations: Progress Report of the Task Force on Flood Plain Regulations of the Committee on Flood Control of the Hydraulics Division", HY5:Sept 62:73:3264

FUJITA, YUZURU
Strength of Round Columns, with George C. Driscoll, Jr., ST2:Apr 62:43:3090
Clo: ST1:Feb 63:237:3435
Strength of Round Columns, with George C. Driscoll, Jr., TR:128II:466:3460

FUKUTOME, ICHIRO
See Karl Moskowitz, TR:128IV:19:3396

FULTON, ROBERT E.
Bibliography on the Use of Digital Computers in Structural Engineering: Progress Report of the Task Group of the Subcommittee on Publications of the Committee on Elctronic Computation of the Structural Division, ASCE, ST6: Dec 63:461:3740

FURNESS, L. W.
See C.H. Hardison, SA2:Apr 63:119:3501

GABRIEL, L. H.
See C.B. Brown, ST2:Apr 63:248:3502

GALAMBOS, THEODORE V.
Inelastic Lateral Buckling of Beams, ST5:Oct 63:217:3683

GALAMBOS, T. V.
See M.G. Lay, EM3:Jun 63:217:3562

GALBIATI, I. V.
Canada--Concrete Cutoff Wall Drilled Down 250 ft for Manicouagan 5 Dam, Quebec, CE:Nov 63:59

GALE, PLINY
Photogrammetric Engineering and Reservoir Planning, SU1:Feb 63:113:3443
Dsc: Daniel Kennedy, SU3:Oct 63:215:3684

GALVIN, C. J., JR.
Dsc, WW1:Feb 63:57:3442, of "Laboratory Determination of Littoral-Transport Rates", WW2: May 62:69:3128

GÁNCZARCZYK, J.
Dsc of "Trickling Filtration Design and Performance," TR:128III:392:3510

GANGADHARAN, A. C.
Dsc, with Dronnadula V. Reddy, ST5:Oct 63: 315:3688, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25:3409

GANGADHARAN, ADOORVALAPPIL C.
See Dronnadula V. Reddy, ST1:Feb 63:268:3435

GARDE, R. J.
Regime Criteria for Alluvial Streams, with K.G. Ranga Raju, HY6:Nov 63:153:3705
Study of Scour Around Spur-Dikes, with K. Subramanya and K.D. Nambudripad, HY6:Nov 61:23:2978
Dsc: C.R. Neill, HY2:Mar 62:191:3987; T.K. Chaplin, HY2:Mar 62:192:3087; Emmett M. Laursen, HY3:May 62:225:3144; John R. Christofferson, HY3:May 62:228:3144; G. Tison, Jr., HY4:Jul 62:301:3209
Clo: HY1:Jan 63:167:3405

GARFOOT, ROBERT F.
The Professional Engineer and His Values, with J. Richard Simon, PP1:Jan 63:15:3395

GARRETT, J. H.
See O.E. Mechem, CO2:Sept 63:111:3650

GAYLORD, EDWIN H., JR.
Dsc of "Welded Plate Girders (Symposium): Strength in Shear," TR:128II:712:3489

GAZIS, DENOS C.
Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, with Robert Herman and Richard W. Rothery, EM6:Dec 63:29:3724

GEERTSON, PHILLIP
Dsc, CE:Sep 63:64, on "Society Acitvities and Objectives," CE:Jun 63:62

GELCI, ROBERT
Dsc of "Deep Water Wave Generation by Moving Wind Systems," TR:128IV:137:3416

GENTER, ALBERT LEGRAND
Memoir of, TR:128V:125

GERE, JAMES M.
Critical Buckling Loads for Tapered Columns, with Winfred O. Carter, ST1:Feb 62:1:3045
Dsc: Larry A. Colbert, ST3:Jun 62:343:3179; N.C. Lind, ST4:Aug 62:235:3254; Donald J. Butler, ST5:Oct 62:185:3309
Clo: ST2:Apr 63:223:3502
Critical Buckling Loads for Tapered Columns, with Winfred O. Carter, TR:128II:736:3490

GERSTLE, KURT H.
Elastic-Plastic Deformations of Steel Structures, with Vassilios Zarboulas, ST1:Feb 63: 179:3419
Flow Graphs in Structural Analysis, TR:128II: 169:3406

GERSTNER, ROBERT W.
Dsc, ST5:Oct 63:307:3688, of "Deflection and Slope of Beams with Vaying I", ST1:Feb 63:25: 3409

GESSEL, CLYDE D.
Large-Scale Mapping of Lake Powell, with Dwight H. Rutledge, SU1:Nov 62:17:3318
Dsc: Daniel Kennedy, SU2:Jun 63:91:3563
Clo: SU3:Oct 63:179:3684

GHUMMAN, M. S.
See Shamsher Prakash, SM3:May 63:171:3528

GIBBS, H. J.
See W.G. Holtz, TR:128I:1478:3501

GIBSON, R. E.
Dsc, with N.R. Morgenstern, SM6:Nov 63:127: 3701, of "Stress-Dilatancy, Earth Pressures, and Slopes", SM3:May 63:37:3507

GILBOA, ISRAEL
Parking and Circulation of Vehicular Traffic at Airports, TR:128IV:164:3425

GILDERSLEEVE, WILLIAM K.
See George C. Stewart, CE:Apr 63:52

GILL, H. L.
See M.T. Davisson, SM3:May 63:63:3509

GILLFILLAN, WALTER E.
Dsc, AT1:Apr 63:93:3505, of "Forecast of Air Transport for 1980", AT1:Aug 62:63:3240

GIRAND, JAMES
Dsc, SA3:Jun 63:105:3556, of "Functional Design of Rapid Sand Filters", SA1:Jan 63:17:3384

GISIGER, PAUL E.
Dsc, PP1:Jan 63:107:3401, of "Atomic Power, A Failure in Engineering Responsibility", PP2: Oct 61:43:2975
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:72:3497

GJELSVIK, A.
Energy Criterion and Snap Buckling of Arches, with S.R. Bodner, EM5:Oct 62:87:3304
Dsc: Robert Schmidt, EM2:Apr 63:171:3498; E. F. Masur, EM3:Jun 63:197:3562
Nonsymmetrical Snap Buckling of Spherical Caps, with S.R. Bodner, EM5:Oct 62:135:3305
no closure, EM4:Aug 63:3616

GLEISSNER, MAXIMILIAN JUSTIN
Memoir of, TR:128V:126

GLENNE, B.
See P.S. Eagleson, HY1:Jan 63:35:3387

GLICKSTEIN, AARON
Analytical Methods in Transportation: Digital Simulation of Traffic, EM6:Dec 63:1:3709

GLOCKNER, P.
See A.J. Celis, ST5:Oct 63:65:3662

GLOGAU, O. A.
Dsc, ST1:Feb 63:253:3435, of "Analysis of Free Straight Multiflight Staircases, ST3:Jun 62:207: 3168

GLUCKLICH, JOSEPH
Fracture of Plain Concrete, EM6:Dec 63:127: 3715

GODDARD, JAMES E.
Flood Plain Management Improves Man's Environment, WW4:Nov 63:67:3702

GOFSEYEFF, SAMUEL
Hurricanes Studies of New York Harbor, with Frank L. Panuzio, TR:128IV:394:3505
Hurricane Studies of New York Harbor, with Frank L. Panuzio, WW1:Feb 62:1:3046
Dsc: D.M. Thomas, WW3:Aug 62:187:3252; Basil W. Wilson, WW4:Nov 62:127:3335
Clo: WW2:May 63:75:3527

GOLDBERG, JOHN E.
Analysis of Nonlinear Structures, with Ralph H. Richard, ST4:Aug 63:333:3604
Dsc, ST5:Oct 63:347:3688, of "Iterative Method in Frame Analysis", ST2:Apr 63:75:3481
Dsc, ST5:Oct 63:367:3688, of "Stability of Frames Under Primary Bending Moments", ST3: Jun 63:35:3547

GOLDING, BERNARD L.
Dsc of "Hood Inlet for Closed Conduit Spillways," TR:1281:27:3393

GOLDMAN, MORTON I.
Disc, with C. Rogers McCullough, of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:62:3497

GOMEZ-PEREZ, FRANCISCO
Dsc of "Survey of European Concrete Crossties," TR:128II:507:3462

GOLDSTERN, PETER P.
Dsc, WW4:Nov 63:99:3703, of "Model Tests of Coastal Protective Structures in USSR", WW1: Feb 63:21:3433

GOOCH, ROBERT S.
Computers Provide a Shortcut in Earthwork Estimates for Dam Design, CE:Oct 63:58

GOODKNIGHT, R. C.
Investigation of the Statistics of Wave Heights, with T.L. Russell, WW2:May 63:29:3524

GOODMAN, L. E.
Dead Load Stresses and the Instability of Slopes, with C.B. Brown, SM3:May 63:103:3514

GOODRIDGE, RICHARD S.
Dsc, HY2:Mar 63:149:3468, of "Cyclical Variations in World-Wide Hydrologic Data", HY6:Nov 61:71:2982

GOTAAS, HAROLD B.
Dsc, SA2:Apr 63:113:3501, of "Economics of Composting Municipal Refuse", SA4:Jul 62:47: 3201
Dsc of "Light Conversion Efficiency of Algae Grown in Sewage," TR:128III:75:3395

GOTOLSKI, W. H.
Dsc, CO1:Mar 63:107:3465, of "Behavior of Volcanic Soils in Highway Construction", CO2: Sept 62:1:3256

GOTOLSKI, WILLIAM H.
Dsc, AT2:Oct 63:47:3686, of "Subgrade Stabilization Under Existing Runway", AT1:Apr 63: 1:3473

GOUGHNOUR, R. D.
See T.H. Wu, SM3:Jun 62:1:3158

GOULD, JOHN JACQUES
Memoir of, TR:128V:127

GRAF, W. H.
Experimental Apparatus Studies Sediment Transport in Closed Conduits, with H.A. Einstein, CE:Oct 63:52

GRANVILLE, PAUL S.
Dsc, HY6:Nov 63:277:3708, of "Boundary Flow Along a Circular Cylinder", HY3:May 63:21:3512

GRASSHOFF, HEINZ
Dsc: SM5:Sept 63:101:3654, of "Model Studies of Beams Resting on a Silt Subgrade", SM1:Feb 63:1:3406

GRAVES, STANLEY A.
New York--Unique Display Problems Solved for GE's World's Fair Pavilion, CE:Aug 63:45

GRAY, C. A. M.
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1530:3502
Dsc, HY1:Jan 63:211:3405, of "Water-Hammer Analysis Including Fluid Friction, HY3:May 62: 79:3135

GRAY, DON M.
Synthetic Unit Hydrographs for Small Watersheds, HY4:Jul 61:33:2854
Dsc: R.B. Hickok, HY1:Jan 62:137:3044
Clo: HY4:Jul 63:189:3580

GRAY, HAMILTON
Dsc, SM3:May 63:194:3528, of "Analysis of Primary and Secondary Consolidation", SM6: Dec 62:207:3373

GREEN, ROY M.
Continuing Education—A Professional Imperative, PP1:Jan 63:93:3403

GREGORY, MALCOLM S.
Philosophy of Engineering Design of Structures, ST6:Dec 63:119:3722

GREINER, JAMES A.
Dsc, SA3:Jun 63:82:2556, of "Package Aeration Plants in Florida", SA6:Nov 62:75:3330

GRESLOU, L.
Dsc, with L. Barailler, WW2:May 63:96:3527, of "Strengthening Breakwater at Vizagapatam", WW3:Aug 62:139:3249

GRICE, R. H.
Dsc of "Influence of Geological Conditions on Uplift," TR:128I:788:3443
Dsc of "Symposium on Grouting: Grouting of Granular Materials," TR:128I:1312:3486

GRIMES, ROBERT O.
Houston's Jetero Airport: Development of Terminal and Related Areas, AT1:Apr 63:27: 3487

GRIMM, CLAYFORD T.
Vermiculite Insulating Concrete--Pumped and Sprayed, CE:Nov 63:67

GRISSINGER, EARL H.
Dsc, with Loris E. Asmussen, HY6:Nov 63: 259:3708, of "Channel Stability in Undisturbed Cohesive Soils", HY2:Mar 63:87:3462

GRISWOLD, LEE SWANEY
Memoir of, TR:128V:128

GRONQUIST, C. H.
Michigan and Ontario--Sault Ste. Marie International Bridge--Design and Construction, CE:May 63:31

GROSCH, C. E.
See S.J. Lukasik, HY1:Jan 63:231:3405

GROSCURTH, EDWARD J.
Dsc, PO1:Sept 63:157:3652, of "Structural Design Practices for Tainter Crest Gates", PO4: Dec 62:47:3348

GROVER, LA MOTTE
American Welding Society Specifications for Welded Highway and Railway Bridges, CE:Dec 63:60

GUELL, D. L.
See F.P. Wiesinger, ST5:Oct 63:15:3660

GUILLARD, EUGENE
Dsc, ST5:Oct 63:338:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2: Apr 63:49:3479
Dsc, ST5:Oct 63:367:3688, of "Stability of Frames Under Primary Bending Moments", ST3:Jun 63:35:3547

GULICK, LUTHER
Dsc, HW1:Apr 63:121:3504, of "Urban Transportation Tasks of the Future", HW1:May 62:21: 3120

GUMBEL, E. J.
Dsc, HY3:May 63:377:3529, of "Plotting Positions and Economics of Engineering Planning", HY6:Nov 62:57:3317
Parameters in the Distribution of Fatigue Life, EM5:Oct 63:45:3667

GUNNERSON, CHARLES G.
Oxygen Relationships in the Sacramento River, with Thomas E. Bailey, SA4:Aug 63:95:3619

GUPCHUP, VIJAY N.
Dynamic Nonlinear Response of Reinforced Concrete Arches, with John M. Biggs, ST4:Aug 63:225:3596

GURALNICK, SIDNEY A.
See Charles A. Miller (Aug 62 ST4:41:3233)

GUTZWILLER, M. J.
Freezing and Thawing Effects on Prestressed Concrete, with F.E. Musleh, TR:128II:152:3405

GUY, HAROLD P.
Sediment in Small Reservoirs Due to Urbanization, with George E. Ferguson, TR:128I:982: 3457

HAALJER, GEERHARD
Economy of High Strength Steel Structural Members, ST8:Dec 61:1:3010
Dsc: K.E. McKee, ST2:Apr 62:155:3108; J.R. Arena, ST2:Apr 62:155:3108; P.B.R. Johnson, ST2:Apr 62:155:3108; A.A. Toprac, ST4:Aug 62:221:3254
Clo: ST3:Jun 63:139:3560
Economy of High Strength Steel Structural Members, TR:128II:820:3509

HAGESTAD, HAROLD A.
Dsc, CE:Feb 63:57, of "A Blueprint for the Profession," CE:Dec 62:52

HAISE, HOWARD R.
See Marvin E. Jensen, IR4:Dec 63:15:3737

HAKE, BRUNO H.
Baggage Handling: Passenger and Baggage Processing at Air Terminals, AT2:Oct 63:29:3677

HAKMAN, PETER A.
Bulkhead Test Program at Port of Toledo, Ohio, with Warren M. Buser, SM3:Jun 62:151:3176
Dsc: A.L. Bentley, Jr., SM6:Dec 62:287:3378; P.W. Rowe, SM6:Dec 62:288:3378
Clo: SM4:Jul 63:197:3578

HALIBURTON, T. ALLAN
See Lymon C. Reese, WW2:May 63:85:3527

HALL, CHARLES E.
Compacting a Dam Foundation by Blasting, SM3:Jun 62:33:3160
Dsc: W.H. Gotolski, SM5:Oct 62:67:3306; E. Zolkov, SM5:Oct 62:69:3306; Dinesh Mohan, SM6:Dec 62:259:3378; W.J. Turnbull, SM6:Dec 62:260:3378
Clo: SM4:Jul 63:177:3578

HALL, J. R., JR.
Dissipation of Elastic Wave Energy in Granular Soils, with F.E. Richart, Jr., SM6:Nov 63:27:3698

HALL, JAY V., JR.
Structures for Shore Protection, CE:Jul 63:38

HALL, JOHN R., JR.
Dsc, SM5:Sept 63:103:3654, of "Elastic Wave Velocities in Granular Soils", SM1:Feb 63:33:3407
See John H. Schmertmann, TR:128I:949:3452

HALL, NEWMAN A.
Dsc requesting engineering problems, CE:Jun 63:69

HALL, WARREN A.
Aqueduct Capacity Under an Optimum Benefit Policy, TR:128III:162:3430

HALLIWELL, A. R.
Velocity of a Water-Hammer Wave in an Elastic Pipe, HY4:Jul 63:1:3565
Dsc: Victor L. Streeter, HY6:Nov 63:295:3708

HALMOS, E. E., JR.
Civil Engineers in Government Service, CE:Dec 63:53
The European Common Market, CE:Jan 63:24
Reply to discussers of "Byline Washington," CE:Sep 63:65

HALSTED, DONALD E.
Alaska--Precast and Prestressed Bridge at Schooners Bend Fails, CE:Aug 63:60

HAMBRECHT, ALBERT LEWIS
Memoir of, TR:128V:128

HAMMAD, H. Y.
Depth and Spacing of Tile Drain Systems, IR1:Mar 62:15:3084
Dsc: E.J. List, IR3:Sept 62:59:3286
Clo: IR2:Jun 63:69:3554
Depth and Spacing of Tile Drain Systems, TR:128III:535:3517
Dsc, IR4:Dec 63:56:3746, of "Design of Tile Drainage for Falling Water Tables", IR2:Jun 63:1:3543
Seepage Under Dams, SM4:Jul 63:25:3570

HAMMEL, LAWRENCE V.
Dsc, AT1:Apr 63:95:3505, of "Airport Location in Relation to Urban Transport", AT1:Aug 62:99:3245

HAMON, W. RUSSELL
Estimating Potential Evapotranspiration, TR:128I:324:3415

HANDS, H. R.
H.R. Hands, new ASCE Manager of Information, CE:Oct 63:76

HANSEN, J. BRINCH
Dsc, SM6:Nov 63:95:3701, of "Analysis of Primary and Secondary Consolidation", SM6:Dec 62:207:3373
Dsc, SM2:Mar 63:149:3467, of "Bearing Capacity of Foundations", SM5:Oct 62:13:3302
Dsc, SM4:Jul 63:241:3578, of "Hyperbolic Stress-Strain Response: Cohesive Soils", SM1:Feb 63:115:3429

HANSEN, ROBERT J.
See Cheng Y. Yang, EM3:Jun 63:43:3541

HANSEN, ROGER M.
See Robert A. Bendigo, ST6:Dec 63:187:3727

HANSEN, VAUGHN E.
Unique Consumptive-Use Curve Related to Irrigation Practice, IR1:Mar 63:43:3449
Dsc: Jacob W. Kijne and C.H. Milligan, IR3:Sept 63:97:3655; Arthur F. Johnson, IR3:Sept 63:101:3655; J.E. Christiansen, IR3:Sept 63:103:3655; Stuart C. Roberts, IR4:Dec 63:47:3746; Arthur F. Pillsbury, IR4:Dec 63:49:3746; Harry F. Blaney, IR4:Dec 63:49:3746
See David W. Hendricks, TR:128III:422:3512

HANTUSH, MAHDI S.
Dsc, IR4:Dec 63:60:3746, of "Design of Tile Drainage for Falling Water Tables", IR2:Jun 63:1:3543
Drainage Wells in Leaky Water-Table Aquifers, HY2:Mar 62:123:3078
Clo: HY3:May 63:295:3529
Drainage Wells in Leaky Water-Table Aquifers, TR:128I:1005:3459
Flow of Ground Water to Collector Wells, with Istavros S. Papadopulos, HY5:Sept 62:221:3284

HANTUSH, MAHDI S. Continued
Dsc: Miloje Milojevic, HY2:Mar 63:193:3468
Clo: HY4:Jul 63:225:3580
Hydraulics of Gravity Wells in Sloping Sands, HY4:Jul 62:1:3185
Dsc: Paul Baumann, HY1:Jan 63:241:3405
Clo: HY3:May 63:315:3529
Hydraulics of Gravity Wells in Sloping Sands, TR:128I:1423:3500

HARBAUGH, T. E.
Dsc, HY3:May 63:354:3529, of "Analysis of Synthetic Unit-Graph Methods", HY5:Sept 62: 199:3279

HARDBERGER, PHILLIP D.
A Retired Engineer in the Peace Corps (Ralph Cole), CE:Nov 63:54

HARDER, J. A.
Analog Models for Flood Control Systems, TR:128I:993:3458

HARDIN, B. O.
Elastic Wave Velocities in Granular Soils, with F.E. Richart, Jr., SM1:Feb 63:33:3407
Dsc: John R. Hall, Jr., SM5:Sept 63:103:3654; H.D. McNiven and C.B. Brown, SM5:Sept 63: 103:3654; Thomas E. Phalen, Jr., SM5:Sept 63: 109:3654; Robert V. Whitman and Frederick V. Lawrence, Jr., SM5:Sept 63:112:3654

HARDING, S. T.
Dsc, HY1:Jan 63:243:3405, of "Perspective on National Water Resources Planning", HY4:Jul 62:17:3188
Evaporation from Pyramid and Winnemucca Lakes, Nevada, IR1:Mar 62:1:3083
Dsc: Marvin E. Jensen and Howard R. Haise, IR2:Jun 62:119:3170; G. Earl Harbeck, Jr., IR2: Jun 62:122:3170; Harry F. Blaney, IR3:Sept 62: 49:3286; C.R. Pettis, IR3:Sept 62:51:3286; Nicholas L. Rosner, IR4:Dec 62:53:3377
Clo: IR2:Jun 63:65:3554

HARDISON, C. H.
Dsc, with L.W. Furness, SA2:Apr 63:119:3501, of "Reservoir Mass Analysis by a Low-Flow Series", SA5:Sept 62:21:3283

HARDY, J. R.
Dsc, HY1:Jan 63:249:3405, of "Marking Beach Materials for Tracing Experiments, HY4:Jul 62: 43:3189

HARDY, ROLLAND L.
Dsc, SU3:Oct 63:193:3684, of "Geodetic Engineering Education in West Germany", SU1:Feb 63:45:3425
Dsc, SU3:Oct 63:186:3684, of "Role of Surveying in Civil Engineering Education", SU1:Feb 63:27.3420

HARLEMAN, D. R. F.
Dispersion-Permeability Correlation in Porous Media, with P.F. Mehlhorn, and R.R. Rumer, Jr., HY2:Mar 63:67:3459
See R.R. Rumer, Jr., HY6:Nov 63:193:3707

HARLEMAN, DONALD R. F.
Disc, with Ralph R. Rumer, Jr., of "Roughness Spacing in Rigid Open Channels," TR:128I: 388:3417
Disc, with E.R. Holley, Jr., of "Turbulent Diffusion and the Reaeration Coefficient," TR:128III:327:3491

HARLOW, E. H.
Dsc, SU3:Oct 63:217:3684, of "Land Subsidence Problems", SU2:Jun 63:1:3531

HARPER, C. H. D.
Dsc, CE:Sep 63:63, on "International Relationships in Engineering," CE:Jun 63:31

HARRIS, D. LEE
Dsc, WW1:Feb 63:75:3442, of "Computer Solution of Storm Surges", WW3:Aug 62:117:3231

HARRIS, JOHN R.
Analysis of Multi-Span Gable Frames, ST3:Jun 62:167:3164
Dsc: C.K. Wang, ST5:Oct 62:195:3309
Clo: ST2:Apr 63:225:3502
Analysis of Multi-Span, Gable Frames, TR:128II:755:3494

HARRISON, A. E.
Electronic Surveying: Electronic Distance Measurements, SU3:Oct 63:97:3672

HARRISON, H. B.
Dsc of "Buckling Behavior Above the Tangent Modulus Load," TR:128I:839:3445

HART, ALAN S.
California--Paving Interstate 80 in the Sierra Nevada, CE:Nov 63:62

HART, LINTON
Memoir of, TR:128V:129

HART, WILLIAM E.
Jet Discharge Into a Fluid with a Density Gradient, HY6:Nov 61:171:2996
Dsc: G. Abraham, HY2:Mar 62:195:3087
Clo: HY3:May 63:289:3529
Jet Discharge into a Fluid with a Density Gradient, TR:128I:1358:3493

HARTLAND, D.
See M. Braikevitch, PO4:Dec 62:83:3368

HARTZ, B. J.
Dsc, EM5:Oct 63:97:3687, of "Analysis of Triangular Bracket-Type Plates", EM6:Dec 62: 41:3363
See K.W. Levien, ST4:Aug 63:515:3612

HARTMAN, PAUL
Solar-Altitude Azimuth, SU1:Feb 63:1:3410
Dsc: Winfield H. Eldridge, SU3:Oct 63:181:3684

HARZA, RICHARD D.
Symposium on Pumped Storage: Foreign Pumped Storage Projects, PO4:Dec 62:107:3369

HARZA, RICHARD D. Continued
Dsc: Adolf A. Meyer, PO1:Sept 63:169:3652; Carlos S. Ospina, PO1:Sept 63:169:3652; R.A. Sutherland, PO1:Sept 63:171:3652

HASLAM, EMERSON F., JR.
See Philip A. Wild, PO2:July 62:69:3193

HAUCK, GEORGE F.
Stability of Elasto-Plastic Wide-Flange Columns, with Seng-Lip Lee, ST6:Dec 63:297:3738

HAUN, GEORGE CLEVELAND
Memoir of, TR:128V:130

HAVAS, GEORGE
Memoir of, TR:128V:131

HAWKES, H. A.
Dsc of "Trickling Filtration Design and Performance," TR:128III:391:3510

HAYASHI, TAIZO
Dsc, WW4:Nov 63:91:3703, of "Sliding of Composite-Type Breakwaters by Breaking Waves", WW1:Feb 63:1:3428

HAYDOCK, JAMES L.
Dsc, with Ian W. McCaig, PO1:Sept 63:164:3652, of "Symposium on Pumped Storage: Development of Reversible Pump-Turbines", PO4:Dec 62:83:3368

HAYTHORNTHWAITE, R. M.
Dsc: SM5:Sept 63:119:3654, of "Study of Failure Envelope of Soils", SM1:Feb 63:145:3430

HEADLAND, H.
Dsc, PO1:Sept 63:165:3652, of "Symposium on Pumped Storage: Development of Reversible Pump-Turbines", PO4:Dec 62:83:3368

HEALY, KENT A.
See Robert V. Whitman, TR:128I:1553:3503

HEATON, E. O.
See P.Z. Michener, CE:Jun 63:54

HEIERLI, WERNER
Inelastic Wave Propagation in Soil Columns, TR:128I:1392:3498

HEDGER, HAROLD E.
Basic Considerations in Water Resources Planning: Progress Report of the Committee on Water Resources Planning of the Hydraulics Division, HY5:Sept 62:23:3261
Dsc: Nathan Buras, HY2:Mar 63:181:3468

HEER, E.
See H.H. Bleich, EM3:Jun 63:97:3551

HEIDEBRECHT, A. C.
Dynamic Analysis of Inelastic Multi-Degree Systems, with J.F. Fleming and S.L. Lee, EM6:Dec 63:193:3730

HEIERLI, WERNER
Inelastic Wave Propagation in Soil Columns, SM6 Dec 62:33:3347
Dsc: Joseph A. Fischer, SM4:Jul 63:211:3578

HEINEMANN, HERMAN G.
Volume-Weight of Reservoir Sediment, HY5:Sept 62:181:3274
Dsc: George M. Watts, HY3:May 63:347:3529; T. Cameron Kenny, HY3:May 63:348:3529

HENDERSON, F. M.
Flood Waves in Prismatic Channels, HY4:Jul 63:39:3568

HENDERSON, FRANCIS M.
Stability of Alluvial Channels, HY6:Nov 61:109:2984
Dsc: T. Blench, HY3:May 62:259:3144; Gerald Lacey, HY3:May 62:267:3144; D.B. Simons, HY4:Jul 62:317:3209; T.M. Prus-Chacinski, HY4:Jul 62:323:3209; Claude C. Inglis, HY4:Jul 62:328:3209
Clo: HY1:Jan 63:177:3405
Stability of Alluvial Channels, TR:128I:657:3440

HENDERSON, JOHN M.
Agricultural Land Drainage and Stream Pollution, TR:128III:335:3495

HENDERSON, ROBERT D.
Dsc, ST6:Dec 63:453:3743, of "Behavior of Prestressed Composite Stell Beams", ST3:Jun 63:21:3534
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33

HENDRICKS, DAVID W.
Mechanics of Evapotranspiration, with Vaughn E. Hansen, IR2:Jun 62:67:3182
Dsc: Arthur T. Corey, IR4:Dec 62:71:3377
Clo: IR2:Jun 63:83:3554
Mechanics of Evapo-Transpiration, with Vaughn E. Hansen, TR:128III:422:3512

HENSEY, M. D.
Dsc, with R.L. Peters, SM3:May 63:163:3528, of "Analysis of the Engineering News Pile Formula", SM5:Oct 62:1:3298

HERBICH, JOHN B.
Effect of Berm on Wave Run-Up on Composite Beaches, with R.M. Sorensen, and J.H. Willenbrock, WW2:May 63:55:3526

HERMAN, ROBERT
See Denos C. Gazis, EM6:Dec 63:29:3724

HERMANN, EDWARD R.
Dsc of "Light Conversion Efficiency of Algae Grown in Sewage," TR:128III:71:3395
Stabilization Pond as a Nitrate Reducing Reactor, SA5:Sept 62:1:3260
Dsc: William J. Oswald, SA4:Aug 63:127:3618

HERNANDEZ, JOHN W.
Dsc, SA6:Dec 63:68:3745, of "Free Energy as a Parameter in Biological Treatment," SA3:Jun 63:17:3539

HERRMANN, G.
See A.E. Armenakas, EM3:Jun 63:131:3552

HERRMANN, GEORGE
Dsc, EM2:Apr 63:169:3498, of "Dynamic Behavior of Supercritically Loaded Struts", EM5:Oct 62:41:3296

HERSHFIELD, DAVID M.
Estimating the Probable Maximum Precipitation, TR:128I:534:3431
Extreme Rainfall Relationships, HY6:Nov 62:73:3319
Dsc: J.L.H. Paulhus, HY3:May 63:385:3529
Clo: HY4:Jul 63:241:3580

HESS, T. E.
Re-entry Optimization and Synthesis Program, with J.C. Bailey and H.J. Most, ST4:Aug 63:249:3598

HESTER, JAMES TAYLOR
Memoir of, TR:128V:131

HETLING, L. J.
See D.R. Washington, SA1:Jan 63:83:3402
See D.R. Washington, TR:128III:526:3516

HICKERSON, T. F.
Dsc, SU2:Jun 63:93:3563, of "All-Versine Highway Spiral Formulas", SU1:Nov 62:41:3326

HIGGINSON, E. C.
Maximum Size of Aggregate Affects Strength of Concrete, with G.B. Wallace, and E.L. Ore, CE:Nov 63:38

HILL, DAVID W.
California--Evaporation from a Covered Reservoir at Stanford University, with Joseph B. Franzini, CE:May 63:35

HILL, RAYMOND A.
Dsc of "Arch Dam Analysis with an Electric Analog Computer," TR:128I:196:3403

HILSDORF, H.
See H. Blaut, ST5:Oct 63:265:3688

HINDS, JULIAN
Dsc, HY4:Jul 63:209:3580, of "Side-Channel Spillway Design", HY3:May 62:131:3143

HINO, MIKIO
Turbulent Flow with Suspended Particles, HY4:Jul 63:161:3579

HIRANANDANI, M. G.
Strengthening Breakwater at Vizagapatam, with C.V. Gole and Y.D. Pendse, WW3:Aug 62:139:3249
Dsc: Robert Q. Palmer, WW2:May 63:93:3527; L. Greslou and L. Barailler, WW2:May 63:96:3527

HIRSCH, TEDDY J.
See Charles H. Samson, Jr., ST4:Aug 63:413:3608

HOAD, WILLIAM CHRISTIAN
Memoir of, TR:128V:132

HOADLEY, ANTHONY
Dsc, ST5:Oct 63:301:3688, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25:3409

HOADLEY, PETER G.
Behavior of Prestressed Composite Steel Beams, ST3:Jun 63:21:3534
Dsc: Robert D. Henderson, ST6:Dec 63:453:3743

HODGE, PHILIP G., JR.
See George J. Megarefs, ST1:Feb 63:197:3421

HOFFMAN, LEWIS E.
Regulation of Pipeline Design and Construction: Progress Report of the Task Committee On Investigation of Problems Involved in the Regulation of Pipeline Design and Construction by Various Governmental Agencies, ASCE, PL1:Jan 63:1:3379

HOFFMASTER, B. N.
Dsc of "Field Study of a Cellular Bulkhead, TR:128I:506:3426

HOLLEY, E. R., JR.
See Donald R.F. Harleman, TR:128III:327:3491

HOLLEY, M. J.
See Samuel Mauch, ST4:Aug 63:451:3610

HOLMSTROM, R. K.
ASCE representative in Chicago dies, CE:Jul 63:45

HOLTZ, W. G.
Disc, with H.J. Gibbs, of "Prediction of Swelling Potential for Compacted Clays," TR:128I:1478:3501
Soil-Cement as Slope Protection for Earth Dams, with F.C. Walker, SM6:Dec 62:107:3361
Dsc: Miles D. Catton, SM3:May 63:189:3528; Thomas M. Leps, SM4:Jul 63:219:3578; William C. Bryant and Carl R. Wilder, SM4:Jul 63:219:3578; F.M. Jardine, SM4:Jul 63:220:3578; E.P. Sellner, SM4:Jul 63:221:3578

HOMBURGER, WOLFGANG S.
See Walter S. Rainville, HW1:Apr 63:37:3489

HOOPER, IRA
Two-Hinged Arches, Digital Computer Analysis and Design, with P.C. Wang, CE:Dec 63:67

HORN, H. M.
Dsc, SM5:Sept 63:133:3654, of "Effective Stress Theory of Soil Compaction", SM2:Mar 63:27:3457

HORONJEFF, ROBERT
Dsc, AT1:Apr 63:89:3505, of "Helicopter Performance and Heliport Design," AT1:Aug 62:1:3213
Runways and Taxiways for Supersonic Transports, TR:128IV:258:3478
See Gale Ahlborn, AT1:Apr 63:39:3490

HOSLER, D. M.
See R. Dan Mahaney, AT1:Apr 63:51:3494

HOUSNER, G. W.
Vibrations of Linearly Tapered Cantilever Beams, with W.O. Keightley (with discussion), TR:128I:1020:3461

HOUSNER, GEORGE W.
Dynamic Behavior of Supercritically Loaded Struts, with Wai Keung Tso, EM5:Oct 62:41:3296
Dsc: George Herrmann, EM2:Apr 63:169:3498
Clo: EM5:Oct 63:91:3687
Natural Periods of Vibration of Buildings, with A.G. Brady, EM4:Aug 63:31:3613
Dsc: Lydik S. Jacobsen, EM6:Dec 63:279:3774
Vibrations of Linearly Tapered Cantilever Beams, with W.O. Keightley, EM2:Apr 62:95:3101
Dsc: R.F. Rissone and J.J. Williams, EM5:Oct 62:191:3307
Clo: EM1:Feb 63:83:3440

HOWARD, C. M.
Honored by Student Chapter, CE:Sep 63:69

HOWARD, LOUIS N.
See Philip G. Drazin, TR:128I:849:3447

HOWARD, W. E.
Dsc, SA1:Jan 63:95:3402, of "Reservoir Mass Analysis by a Low-Flow Series", SA5:Sept 62:21:3283

HOWE, J. W.
Iowa--Flood-Plain Zoning Ordinance Adopted by Iowa City, CE:Apr 63:39
Dsc: E.B. Mansur, CE:Jun 63:68

HOWELL, G. A.
Dsc, SA4:Aug 63:133:3618, of Billion-Dollar River Clean-Up, SA6:Nov 62:97:3333

HOWELLS, DAVID H.
We Need More Municipal Waste Treatment Works, CE:Sep 63:54
Dsc, CE:Sep 63:65, on Byline Washington, CE:Jul 63:72

HOWLAND, W. E.
Dsc of "Trickling Filtration Design and Performance," TR:128III:390:3510

HOWSON, L. R.
Wisconsin--Activated Sludge Plant For Milwaukee, with Ray D. Leary, CE:Sep 63:44
Dsc: C.E. Keefer, CE:Nov 63:73

HRENNIKOFF, A.
Dsc on "Opposition to New Plan of Digests for Transactions," CE:Sep 63:63

HRIBAR, J. A.
See E. D'Appolonia, SM6:Nov 63:57:3700

HRONCICH, M. J.
Symposium on Pumped Storage: Run-of-River Pumped Storage--Smith Mountain Project, with J.M. Mullarkey, PO2:July 62:183:3203
Dsc: Merlin D. Copen and Erwin L. Schaffer, PO1:Sept 63:133:3652

HUANG, EUGENE Y.
In-Situ Stability of Soil-Aggregate Road Materials, HW1:May 62:43:3136
Corr: HW1:Apr 63:129:3504

HUBBARD, P. G.
Dsc, with E.O. Macagno and Hunter Rouse, HY1:Jan 63:187:3405, of "Theory, Experiments, and a Philosophy of Hydraulics", HY1:Jan 62:45:3040

HUBERT, FRANCIS J.
Simplified Sag-Tension Equations for Power Lines, TR:128III:214:3464

HUDSON, H. E., JR.
Functional Design of Rapid Sand Filters, SA1:Jan 63:17:3384
Dsc: Milford E. Rogers, SA3:Jun 63:99:3556; Garrett Sloan, SA3:Jun 63:104:3556; James Girand, SA3:Jun 63:105:3556; K.J. Ives, SA4:Aug 63:135:3618; H.L. Thackwell, SA5:Oct 63:45:3685

HUFF, FLOYD A.
Atmospheric Moisture-Precipitation Relations, HY6:Nov 63:93:3696

HULL, C. H. J.
Dsc, with John A. DeFilippi, SA2:Apr 63:97:3501, of "Prediction of Stream Reaeration Rates", SA4:Jul 62:1:3199

HUMPHREYS, HAROLD W.
Dsc of "Hood Inlet for Closed Conduit Spillways," TR:128I:34:3393

HUMPHREYS, JOHN S.
Dynamic Buckling of Shells Under Impulsive Loading, with Sol R. Bodner, EM2:Apr 62:17:3094
Dsc: Myron E. Lunchick, EM4:Aug 62:139:3244; John J. Burns, Jr., EM6:Dec 62:149:3375
Clo: EM3:Jun 63:189:3562

HUNI, EMILE
Dsc of "Symposium on Grouting: Grouting of Granular Materials," TR:128I:1312:3486

HUNT, ELDON V.
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33

HUTCHINSON, B. G.
Granulometric Properties of Coment Stabilized Sands, SM3:May 63:95:3510

HWANG, LI-SAN
Shear Measurement Technique for Rough Surfaces, with Emmett M. Laursen, HY2:Mar 63:19:3451

ICE, JOHN R.
Field Estimating and Cost Control, CO2:Sept 63:1:3623

IHLING, H. M.
Wisconsin--100 mgd Added to Milwaukee's Water Supply, with D.P. Proudfit, CE:Sep 63:31

IMHOFF, KARL
Dsc, SA3:Jun 63:89:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

INGERSOLL, A. C.
Dsc, PP1:Jan 63:105:3401, of "Atomic Power, A Failure in Engineering Responsibility", PP2:Oct 61:43:2975
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:71:3497

INGLIS, CLAUDE
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:129:3399

INGLIS, CLAUDE C.
Dsc of "Stability of Alluvial Channels," TR:128I:710:3440

INGOLS, R. S.
See R.D. Wilroy, TR:128III:323:3491

INGRAM, WAYNE B.
See Lymon C. Reese, PO1:Sept 63:125:3652

IPPEN, ARTHUR T.
Boundary Shear Stresses in Curved Trapezoidal Channels, with P.A. Drinker, HY5:Sept 62:143:3273
Dsc: E. Silberman, HY2:Mar 63:189:3468; Fred W. Blaisdell, HY2:Mar 63:190:3468; Norman H. Brooks, HY3:May 63:327:3529; Ahmed Shukry, HY3:May 63:333:3529
Research and the Professional Society, TR:128V:92:3506

IRELAND, E.
Civil Engineer's Responsibilities in Design of Steam Electric Stations, PO3:Sept 62:1:3262
Dsc: Robert D. Chellis, PO1:Sept 63:141:3652

IRELAND, HERBERT O.
Dsc, PO1:Sept 63:115:3652, of "Uplift Resistance of Transmission Tower Footings", PO2:July 62:17:3187

IRISH, SUMNER B.
Error Problems in Aerial Photogrammetry, SU2:Jun 63:65:3557
Measuring the Precision of a Level, SU1:Feb 63:35:3424

IRISH, SUMNER B. Continued
Dsc: Everett D. Morse, SU2:Jun 63:97:3563; Phillip Kissam, SU3:Oct 63:191:3684; Reynold E. Isto, SU3:Oct 63:192:3684
Strength of Figure Equation in Triangulation, SU2:Jun 63:75:3564

ISHERWOOD, JOHN D.
See Albert F. Bush, TR:128III:84:3418

ISTO, REYNOLD E.
Dsc, SU3:Oct 63:192:3684, of "Measuring the Precision of a Level", SU1:Feb 63:35:3424

IVES, K. J.
Dsc, SA4:Aug 63:135:3618, of "Functional Design of Rapid Sand Filters", SA1:Jan 63:17:3384

IYENGAR, SUNDARA RAJA K. T.
Finite Beam-Columns on Elastic Foundation, with S. Anantharamu, EM6:Dec 63:139:3720

JACOBSEN, LYDIK S.
Dsc, EM6:Dec 63:279:3774, of "Natural Periods of Vibration of Buildings", EM4:Aug 63:31:3613

JAMAL, ABDUL K.
See A.O. Peter Casbarian, SM4:Jul 63:243:3578

JAMPOLE, STANLEY
See George C. Stewart, CE:Apr 63:52

JANISZEWSKI, T.
Disc, with Blair Birdsall, of "Secondary Stresses in Parallel Wire Suspension Cables," TR:128II:120:3402

JARDINE, F. M.
Dsc, SM4:Jul 63:220:3578, of "Soil-Cement as Slope Protection for Earth Dams", SM6:Dec 62:107:3361

JASKI, FRANK E.
Symposium on Pumped Storage: American Pumped Storage Equipment and Operation, PO4:Dec 62:135:3370
Dsc: Milton G. Salzman, PO1:Sept 63:173:3652; Roger D. Ley, PO1:Sept 63:174:3652; James D. Calvert, PO1:Sept 63:175:3652; Robert A. Sutherland, PO1:Sept 63:176:3652

JASPAR, J. L.
Dsc, SM6:Nov 63:123:3701, of "Oahe Dam: Geology, Embankment, and Cut Slopes", SM2:Mar 63:99:3466

JAYARAMAN, V. V.
See T.E. Unny, HY4:Jul 63:259:3580

JENKINS, EDWARD D.
Ground-Water Technology and Litigation Problems, with Edward A. Moulder, IR2:Jun 62:21:3166
Dsc: Wayne D. Criddle and Dallis Jensen, IR4:Dec 62:61:3377; Leslie C. Jopson, IR4:Dec 62:63:3377
Clo: IR2:Jun 63:75:3554

JENKS, I. H.
See T.E. Wright, ST5:Oct 63:117:3669

JENSEN, ALBERT C.
Erie Canal--Engineering Clinton's Ditch, CE:Sep 63:48

JENSEN, MARVIN E.
Estimating Evapotranspiration from Solar Radiation, with Howard R. Haise, IR4:Dec 63: 15:3737

JESSUP, WALTER E.
Former editor of CIVIL ENGINEERING co-authors book, "Law and Specifications for Engineers and Scientists," CE:Nov 63:92

JOHANN, JOHN
Dsc, PL1:Jan 63:55:3400, of Relationship of Compression Ratio to Gas Pipelines, PL2:Sept 61:11:2932

JOHN, KLAUS W.
An Approach to Rock Mechanics, SM4:Aug 62: 1:3223
Dsc: Lawrence Adler, SM6:Dec 62:291:3378; Karl Terzaghi, SM1:Feb 63:295:3436; Lauritz Bjerrum and Finn Jorstad, SM1:Feb 63:300:3436; V. Mencl, SM1:Feb 63:303:3436; Alolf A. Meyer, SM1:Feb 63:304:3436; Charles J. Monahan, SM1: Feb 63:306:3436; Leopold Muller, SM2:Mar 63: 137:3467; P.G. Fookes and John M. McKenna, SM2:Mar 63:139:3467
Clo: SM4:Jul 63:201:3578

JOHNS, E. A.
Oahe Dam: Influence of Shale on Oahe Power Structures Design, with R.G. Burnett, and C. L. Craig, SM1:Feb 63:95:3423
Dsc: R.W. Spencer, SM4:Jul 63:239:3578

JOHNSON, ARTHUR F.
Dsc, IR3:Sept 63:101:3655, of "Unique Consumptive-Use Curve Related to Irrigation Practice", IR1:Mar 63:43:3449

JOHNSON, HAROLD L.
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33

JOHNSON, P. B. R.
Dsc of "Economy of High Strength Steel Structural Members," TR:128II:843:3509

JOHNSON, RODNEY W.
Professional Development of the Young Engineer, PP1:Jan 63:9:3383

JOHNSON, SIDNEY M.
Determining the Capacity of Bent Piles, SM6: Dec 62:65:3349
Dsc: Oscar Reich, SM3:May 63:177:3528; Henry Arthur Mohr, SM4:Jul 63:213:3578
Dsc of "Field Study of a Cellular Bulkhead," TR:128I:498:3426

JOHNSON, VIRGIL E., JR.
Cavitation in Hydraulic Structures: Mechanics of Cavitation, HY3:May 63:251:3530

JOHNSON, WESLEY H.
See Aleksander B. Vesić, SM1:Feb 63:1:3406

JOHNSTON, BRUCE G.
Buckling Behavior Above the Tangent Modulus Load, EM6:Dec 61:79:3019
Dsc: H.B. Harrison, EM3:Jun 62:169:3173; L. Tall and F.R. Estuar, EM5:Oct 62:171:3307
Clo: EM1:Feb 63:73:3440
Buckling Behavior Above the Tangent Modulus Load, TR:128I:819:3445
Dsc, ST5:Oct 63:331:3688, of "Analysis and Design of Struts with Tension Ties", ST1:Feb 63:127:3414

JOHNSTON, CLAIR C.
Dsc, CE:Apr 63:61, of "Civil Engineering Education," CE:Feb 63:52

JONES, CHESTER W.
Compacted Loessial-Soil Canal Linings, with C.A. Lowitz, TR:128III:349:3499

JONES, DAN S., JR.
Desirable Features of Water Rights Laws, IR4: Dec 63:1:3711

JONES, KEITH
Restraint of Structures Attached to Mass Concrete, TR:128II:412:3454

JONKER, F. H.
See I.W. McCaig, TR:128I:1525:3502

JOPLING, ALAN V.
Dsc of "Forms of Bed Roughness in Alluvial Channels," TR:128I:308:3414

JORDAAN, J. M., JR.
Dsc of "Diffusion in a Sectionally Homogeneous Estuary," TR:128III:44:3392

JORDAN, MICHAEL
Constant Shear Moment Distribution, ST6:Dec 63:43:3717

JORDAN, RICHARD H.
Airport Location in Relation to Urban Transport, AT1:Aug 62:99:3245
Dsc: Lawrence V. Hammel, AT1:Apr 63:95: 3505

JÖRSTAD, FINN
See Lauritz Bjerrum, SM1:Feb 63:300:3436

JUNCOSA, M. L.
Dsc, EM1:Feb 63:91:3440, of "Distribution of Structural Reponse to Earthquakes", EM3:Jun 62:75:3177

JUSTIN, JOEL B.
Dsc, PO1:Sept 63:138:3652, of "Symposium on Pumped Storage: Site Investigations of Pumped Storage Facilities", PO2:July 62:233:3205

KABELAC, OTAKAR W.
Model Tests of Coastal Protective Structures in USSR, WW1:Feb 63:21:3433
Dsc: Peter P. Goldstern, WW4:Nov 63:99:3703

KAEGI, JAKOB
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:67:3497

KALKANIS, G.
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:116:3399

KANE, THOMAS R.
See William Weaver, Jr., ST4:Aug 63:55:3583

KANSOH, MONIR M.
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:141:3399

KAPERNICK, J. W.
See L.D. Childs, HW1:Apr 63:57:3497

KASSER, R. C.
See J.G. Kaufman, CE:Mar 63:46

KASSIFF, GABRIEL
Behavior of Pipes Buried in Expansive Clays, with Joseph G. Zeitlen, SM2:Apr 62:133:3103
Dsc: John E. Holland, SM6:Dec 62:255:3378
Clo: SM3:May 63:141:3528

KAUFMAN, J. G.
Fire Protection for Aluminum Alloy Structural Shapes, with R.C. Kasser, CE:Mar 63:46

KAWANO, R. Y.
See W. Don Maughan, HY3:May 63:41:3513

KEEFER, C. E.
Dsc, CE:Nov 63:73, of "Activated Sludge Plant for Milwaukee," CE:Sep 63:44

KEEFER, LOUIS E.
Predicting the Modal Split in Pittsburgh, HW1:Apr 63:13:3469

KEESE, CHARLES J.
See Charles Pinnell, TR:128IV:1:3396

KEIGHTLEY, W. O.
See G.W. Housner, TR:128I:1020:3461

KELL, WALDO RALPH
Memoir of, TR:128V:133

KELLERHALS, ROLF
Dsc, HY1:Jan 63:201:3405, of "Hydraulic Roughness of Corrugated Pipes", HY3:May 62:23:3111

KELLERMANN, J. L.
Canada--Height Tripled for Toronto Building, CE:Mar 63:31

KELLY, L. L.
Electronic Computers in Watershed Research, IR3:Sept 63:37:3628

KELLY, ROGER A.
Dsc, AT2:Oct 63:51:3686, of "Houston's Jetero Airport: Location and Configuration", AT1:Apr 63:9:3475

KENNEDY, DANIEL
Dsc, SU2:Jun 63:87:3563, of "Civil Requirements for Topographic Maps", SU1:Nov 62:1:3314
Dsc, SU2:Jun 63:91:3563, of "Large-Scale Mapping of Lake Powell", SU1:Nov 62:17:3318
Dsc, SU2:Jun 63:89:3563, of "Military Requirements for Topographic Maps", SU1:Nov 62:7:3315
Dsc, SU3:Oct 63:215:3684, "Photogrammetric Engineering and Reservoir Planning", SU1:Feb 63:113:3443

KENNEDY, E. J.
Streamflow Records by Digital Computer, IR3:Sept 63:29:3625
Dsc: Roger C. Rice, IR4:Dec 63:71:3746

KENNEDY, GEORGE A.
Dsc, CE:Nov 63:72, of "High-Rise Concrete Buildings," CE:Aug 63:57
See Paul Rogers, CE:Jun 63:33

KENNEDY, JOHN F.
Dsc, with Robert C.Y. Koh, HY2:Mar 63:171:3468, of "Sediment Transportation Mechanics: Introduction and Properties of Sediment: Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division, HY4:Jul 62:77:3194
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:121:3399
See Vito A. Vanoni, TR:128I:311:3414

KENNEY, T. C.
Dsc, CE:Oct 63:60, on "Indoctrination Ritual for Engineers," CE:Aug 63:33
Stability of Cuts in Soft Soils, SM5:Sept 63:17:3647

KENNEY, T. CAMERON
Dsc, HY3:May 63:348:3529, of "Volume-Weight of Reservoir Sediment", HY5:Sept 62:181:3274

KENT, RICHARD
Diffusion in a Sectionally Homogeneous Estuary, TR:128III:1:3392

KERR, ARNOLD D.
Elastic Plates on a Liquid Foundation, EM3:Jun 63:59:3542

KERR, J.
Dsc of "Estimating the Probable Maximum Precipitation," TR:128I:554:3431

KERR, S. LOGAN
Dsc, HY1:Jan 63:207:3405, of "Water-Hammer Analysis Including Fluid Friction, HY3:May 62:79:3135

KERR, S. LOGAN Continued
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1526:3502

KESHAVAN, K.
See V.C. Behn, TR:128III:384:3510

KETCHEK, K.
Design of Composite Beams for Highway Bridges, K. Ketchek, CE:Jul 63:60

KETTER, ROBERT L.
See Charles M. Fogel (Oct 62 ST5:67:3301)

KIDSON, C.
Marking Beach Materials for Tracing Experiments, with A.P. Carr, HY4:Jul 62:43:3189
Dsc: J.R. Hardy, HY1:Jan 63:249:3405
Clo: HY4:Jul 63:217:3580

KIJNE, JACOB W.
Dsc, with C.H. Milligan, IR3:Sept 63:97:3655, of "Unique Consumptive-Use Curve Related to Irrigation Practice", IR1:Mar 63:43:3449

KIMISHIMA, HIROTSUGU
Dsc of "Dead-Load Stress in Model Dams by Method of Integration," TR:128II:251:3427

KING, IAN P.
See Ray W. Clough, ST4:Aug 63:179:3592

KING, J. C.
Colorado--At NORAD Combat Operations Center--New Techniques for Backfilling Shafts, with J.D. Davenport, CE:Oct 63:55

KING, JOHN C.
Symposium on Grouting: Grouting of Granular Materials, with Edward G.W. Bush, TR:128I: 1279:3486

KINNEY, JOHN E.
Dsc, SA3:Jun 63:97:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

KIRCHMAN, MILTON FREDERICK
Dsc, ST2:Apr 63:265:3502, of "Metallic Dome-Structure Systems", ST6:Dec 62:201:3358

KISSAM, PHILLIP
Dsc, SU3:Oct 63:191:3684, of "Measuring the Precision of a Level", SU1:Feb 63:35:3424

KLEHM, W. L.
Civil Engineering for CVNPA Nuclear Power Plant, PO1:Sept 63:45:3645

KLOHN, EARLE J.
Pile Heave and Redriving, SM4:Aug 61:125:2905
Dsc: Stephen N. Olko, SM6:Dec 61:87:3032; R. L. Nordlund, SM1:Feb 62:77:3061; Robert D. Chellis, SM1:Feb 62:78:3061; Claude A. Fetzer, SM1:Feb 62:80:3061; I.R. Robinson and L.S. McLennan, SM2:Apr 62:159:3105; William W. Moore, SM2:Apr 62:160:3105
Clo: SM1:Feb 63:245:3436
Pile Heave and Redriving, TR:128I:557:3432

KLUG, MERVIN L.
Ground Water in Texas, HY3:May 63:153:3519

KNEESE, ALLEN V.
Dsc, SA3:Jun 63:98:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

KNIGHT, DONALD K.
Oahe Dam: Geology, Embankment, and Cut Slopes, SM2:Mar 63:99:3466
Dsc: J.L. Jaspar, SM6:Nov 63:123:3701; R. Peterson, SM6:Nov 63:123:3701

KNOTT, ALBERT
Dsc of "Experimental and Analytical Study of a Folded Plate," TR:128II:364:3446

KOEPSELL, PAUL L.
Disc, with Fred Ritterhaus, of "Folded Plate Structures of Light Gage Steel," TR:128II:875: 3514

KOH, ROBERT C. Y.
See John F. Kennedy, HY2:Mar 63:171:3468

KOLLAR, K. L.
Exporting Consulting Engineering, CE:Jul 63:58

KOLOSEUS, HERMAN J.
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:401:3417

KOLUPAILA, STEPONAS
Dsc, WW1:Feb 63:67:3442, of "River Hydraulics in 1861", WW3:Aug 62:1:3211
Dsc, HY4:Jul 63:275:3580, of "Translations of Foreign Literature on Hydraulics, Fifth Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics of the Hydraulics Division, ASCE," HY1:Jan 63:59:3391

KOMURA, SABURO
Dsc, HY1:Jan 63:269:3405, of "Sediment Transportation Mechanics: Erosion of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division", HY4:Jul 62:109:3195
Dsc, HY1:Jan 63:263:3405, of "Sediment Transportation Mechanics: Introduction and Properties of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division", HY4:Jul 62:77:3194

KONDNER, ROBERT L.
Dsc, SM4:Jul 63:231:3578, of "Comparisons of One and Two-Specimen CFS Tests", SM6:Dec 62: 169:3372
Friction Pile Groups in Cohesive Soil, SM3:Jun 62:117:3175
Dsc: R.B. Peck and M.T. Davisson, SM1:Feb 63:279:3436; Lymon C. Reese and Harry M. Coyle, SM1:Feb 63:285:3436; A.P. Tate, SM1:

KONDNER, ROBERT L. Continued
Feb 63:290:3436
Clo: SM4:Jul 63:183:3578
Hyperbolic Stress-Strain Response: Cohesive Soils, SM1:Feb 63:115:3429
Dsc: Harvey E. Wahls, SM3:May 63:203:3528; J. Brinch Hansen, SM4:Jul 63:241:3578

KONECNY, GOTTFRIED
Electronic Surveying: Electronic Surveys in New Brunswick, with Willis F. Roberts, SU3: Oct 63:17:3666

KORKIGIAN, IRA M.
Channel Changes in the St. Clair River Since 1933, WW2:May 63:1:3511

KOSTRO, G.
Matrix Division, EM3:Jun 63:9:3538
Dsc: J.T. Oden, EM5:Oct 63:107:3687; Lewis H. Blakey, EM6:Dec 63:267:3774

KRENKEL, PETER A.
Turbulent Diffusion and the Reaeration Coefficient, with Gerald T. Orlob, SA2:Mar 62:53: 3079
Dsc: R.D. Wilroy and R.S. Ingols, SA5:Sept 62:51:3288; William E. Dobbins, SA6:Nov 62: 107:3336; Donald R.F. Harleman and E.R. Holley, Jr., SA6:Nov 62:109:3336
Clo: SA2:Apr 63:91:3501
Turbulent Diffusion and the Reaeration Coefficient, with Gerald T. Orlob, TR:128III:293: 3491
See Horace E. Williams, SA2:Apr 63:109:3501

KRISHNAMOORTHY, G.
See Kuang-Han Chu (June 62 ST3:35:3157)

KRISHNAMURTHY, NATARAJAN
Solution of Nonlinear Shear Lag Problems, with James Chinn, ST4:Aug 63:389:3606

KRISHNASWAMY, K. T.
Dsc, with S. Anantharamu, ST5:Oct 63:301: 3688, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25:3409

KRUKA, V.
See S. Eskinazi, TR:128I:1055:3463

KUDROFF, MARVIN J.
Titan ICBM Hardened Facilities, CO1:Jan 62: 41:3041
Dsc: Norman N. Stout, CO2:Sept 62:105:3287
Clo: CO1:Mar 63:105:3465
Titan ICBM Hardened Facilities, TR:128II:516: 3467

KUEMMEL, DAVID A.
Dsc, HW1:Apr 63:125:3504, of "New Concepts for Urban Freeway Interchanges", HW1:May 62: 29:3124
Dsc of "New Concepts for Urban Freeway Interchanges," TR:128IV:344:3492

KUHLEMEYER, R. L.
Dsc, with D.B. Warner, HY4:Jul 63:233:3580 of "Spatially Varied Flow from Controlled Rainfall", HY6:Nov 62:31:3312

KUNZE, WALTER E.
Dsc of "Freezing and Thawing Effects on Prestressed Concrete," TR:128II:167:3405
Survey of European Concrete Crossties, ST2: Apr 62:111:3104
Dsc: Francisco Gomez-Perez, ST4:Aug 62:257: 3254
Clo: ST1:Feb 63:239:3435
Survey of European Concrete Crossties, TR:128II:483:3462
Yugoslavia--Skopje Earthquake Damage, with Mark Fintel and James E. Amrhein, CE:Dec 63:56

KUPCHIK, GEORGE J.
Dsc, SA1:Jan 63:91:3402, of "Economics of Composting Municipal Refuse", SA4:Jul 62:47: 3201

KURATA, MUNEAKI
Natural Vibrations of Partially Clamped Plates, with Hirokazu Okamura, EM3:Jun 63:169:3561

LACEY, GERALD
Dsc of "Stability of Alluvial Channels," TR:128I:695:3440

LACEY, GERALD T.
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:107:3399

LACHER, WALTER S.
Dsc, CE:Feb 63:57, on "The Great Brinkley Expose," CE:Dec 62:31

LACOPULOS, ANTHONY J.
See George, J. Megarefs, ST5:Oct 63:279:3688

LADANYI, B.
Expansion of a Cavity in a Saturated Clay Medium, SM4:Jul 63:127:3577

LADD, CHARLES C.
See Leslie G. Bromwell, SM1:Feb 63:313:3436

LAGUROS, JOAKIM G.
Dsc, SM4:Jul 63:217:3578, of "Soil Stabilization with Cement and Sodium Additives", SM6: Dec 62:81:3356

LAI, CHINTU
See Victor L. Streeter, TR:128I:1491:3502

LAIRD, A. D. K.
Groups of Vertical Cylinders Oscillating in Water, with R.P. Warren, EM1:Feb 63:25:3422

LAIRD, ALAN D. K.
Water Forces on Flexible Oscillating Cylinders, WW3:Aug 62:125:3234
Dsc: Bruce J. Muga, WW1:Feb 63:77:3442
Clo: WW3:Aug 63:61:3621

LaLONDE, WILLIAM S., JR.
Dsc, CO2:Sept 63:146:3653, of "Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and

LaLONDE, WILLIAM S., JR. Continued
Management of the Construction Division", CO1: Mar 63:73:3456

LAMB, MILES A.
Dsc, SA3:Jun 63:79:3556, of "Package Aeration Plants in Florida", SA6:Nov 62:75:3330

LAMBE, T. WILLIAM
Dsc, SM5:Sept 63:134:3654, of "Effective Stress Theory of Soil Compaction", SM2:Mar 63:27:3457

Dsc, SM1:Feb 63:309:3436, of "Experience with Canadian Varved Clays", SM4:Aug 62:31: 3224
Pore Pressures in a Foundation Clay, SM2:Apr 62:19:3097
Dsc: D. Hugh Trollope and Alan K. Parkin, SM5:Oct 62:41:3306
Clo: SM1:Feb 63:257:3436
Pore Pressures in a Foundation Clay, TR:128I: 865:3448

LANE, E. NEIL W.
Dsc, EM3:Jun 63:201:3562, of "Extended Frozen Stress Method", EM6:Dec 62:1:3351
Dsc, EM4:Aug 63:81:3616, of "Stability of Equilateral Triangular Plates", EM1:Feb 63: 37:3426

LANE, K. S.
Dsc, SM3:May 63:147:3528, of "Experience with Canadian Varved Clays", SM4:Aug 62:31: 3224
Dsc, SM6:Nov 63:109:3701, of "Flexibility of Clay and Cracking of Earth Dams", SM2:Mar 63:47:3460

LANE, NEIL W.
Dsc, ST5:Oct 63:339:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2: Apr 63:49:3479

LANE, T. A.
River Hydraulics in 1861, with E.J. Williams, Jr. WW3:Aug 62:1:3211
Dsc: Steponas Kolupaila, WW1:Feb 63:67:3442

LANGEFORS, BÖRJE
Dsc of "Analysis of Structures by System Theory," TR:128II:807:3508

LANGER, R. M.
Dsc, WW3:Aug 63:63:3621, of "Evaluation of Mooring Forces", WW4:Nov 62:19:3313

LARSEN, HAROLD T.
Dsc, excerpts from letter on his summer in the Scandinavian countries, CE:Sep 63:63
Retires from headquarters staff, CE:Jun 63:72

LARSON, MARVIN A.
Dsc of "Restraint of Structures Attached to Mass Concrete," TR:128II:428:3454

LATHAM, G. R.
Dsc of "Penstocks and Scroll Cases for Niagara Power Project," TR:128III:211:3453

Dsc, PO1:Sept 63:159:3652, of "Structural Design Practices for Tainter Crest Gates", PO4: Dec 62:47:3348
Dsc, PO1:Sept 63:148:3652, of "Use of T-1

LAURILA, SIMO H.
Electronic Surveying: Accuracy of Tellurometer Short Distances, SU3:Oct 63:77:3671

LAURSEN, EMMETT M.
Analysis of Relief Bridge Scour, HY3:May 63: 93:3516
See G.A. Zernial, HY1:Jan 63:117:3396
See Li-San Hwang, HY2:Mar 63:19:3451

LAVERTY, BRUCE R.
Design and Performance of Mammoth Pool Power Tunnel, with Klaus R. Ludwig, PO1: Sept 63:9:3642

LAVERTY, FINLEY B.
Reclaiming Hyperion Effluent, with Ralph Stone and Lawrence A. Meyerson, SA6:Nov 61:1:2985
Dsc: P.H. McGauhey, SA3:May 62:177:3150; John J. Baffa, SA3:May 62:179:3150; Max Suter, SA3:May 62:180:3150; Paul F. Keim, SA3:May 62:181:3150; Samuel A. Greeley and Paul E. Langdon, SA4:Jul 62:69:3206
Clo: SA1:Jan 63:69:3402

LAVERTY, SAMUEL PERRY
Memoir of, TR:128V:134

LAWRENCE, FREDERICK V., JR.
See Robert V. Whitman, SM5:Sept 63:112:3654

LAWTON, F. L.
Dsc of "Penstocks and Scroll Cases for Niagara Power Project," TR:128III:212:3453

LAY, M. G.
Dsc, with T.V. Galambos, EM3:Jun 63:217: 3562, of "Lateral Bracing Forces of Steel I Beams", EM6:Dec 62:89:3364

LAZARR, T. R. L.
Waterproofing Exposed Masonry Walls, CE:Oct 63:40

LEA, NORMAN D.
The Hour of Destiny for Engineering, CE:Nov 63:70

LEABU, VICTOR F.
Michigan--Detroit's Automated Post Office, CE:Mar 63:34
Dsc: J.W. Silliman, CE:Jun 63:69

LEARY, RAY D.
Wisconsin--Activated Sludge Plant for Milwaukee, with L.R. Howson, CE:Sep 63:44
Dsc: C.E. Keefer, CE:Nov 63:73

LEE, CHARLES H.
Friant-San Joaquin River Litigation, IR4:Dec
Dsc: Otto W. Peterson, IR2:Jun 62:115:3170; Raphael G. Kazmann, IR2:Jun 62:116:3170; C. E. Busby, IR3:Sept 62:45:3286
Clo: IR1:Mar 63:65:3463

LEE, FRANCIS S. Y.
Critical Flow in Terms of Hydraulic Equivalents, IR2:Jun 62:1:3155
Dsc: N. Rajaratnam, IR4:Dec 62:55:3377; S. Davis, IR4:Dec 62:58:3377; Ralph W. Powell, IR1:Mar 63:69:3463
Clo: IR2:Jun 63:73:3554
Critical Flow in Terms of Hydraulic Equivalents, TR:128III:470:3515

LEE, GEORGE C.
Post-Buckling Strength of Wide-Flange Beams, with Theodore V. Galambos, EM1:Feb 62:59:3059
Dsc: Campbell Massey, EM3:Jun 62:177:3173; Bruce G. Johnston, EM4:Aug 62:137:3244
Clo: EM1:Feb 63:75:3440

LEE, HARRY R., JR.
Thin-Wall Tube Sampler for Soft Soils, CE:Jul 63:42

LEE, LAWRENCE H. N.
Stability of Non-Linear Systems, EM2:Apr 62:81:3099
Dsc: Giuliano Augusti, EM5:Oct 62:185:3307
Clo: EM1:Feb 63:81:3440

LEE, S. L.
Bar-Chain Method for Analyzing Truss Deformation, with P.C. Patel, TR:128II:74:3401
See A.C. Heidebrecht, EM6:Dec 63:193:3730
See George F. Hauck, ST6:Dec 63:297:3738
See F.P. Wiesinger, ST5:Oct 63:15:3660
See F.P. Wiesinger, ST6:Dec 63:1:3712
See R.E. Ball, EM3:Jun 63:73:3544

LEGGET, ROBERT F.
Dsc of "Influence of Geological Conditions on Uplift," TR:128I:785:3443

LEHMAN, P. JOSEPH
Dsc on availability of his paper on dimensional analysis, CE:Mar 63:70

LEIMDÖRFER, P.
Dsc of "Marine Oil Terminal for Rio de Janeiro, Brazil," TR:128IV:89:3410

LEIPER, ARTHUR F.
Dsc, SU3:Oct 63:213:3684, "Problems in Property Surveys and Right-of-Way Mapping", SU1:Feb 63:91:3439

LELIAVSKY, SERGE
Dsc of "Seepage Through Layered Anisotropic Porous Media," TR:128I:283:3413
Dsc of "Uniform Water Conveyance Channels in Alluvial Material," TR:128I:149:3399

LE MÉHAUTÉ, BERNARD
Theory, Experiments, and a Philosophy of Hydraulics, HY1:Jan 62:45:3040
Dsc: G. Combes, HY3:May 62:277:3144; M.S. Misra, HY4:Jul 62:339:3209; R.M. Advani, HY4:Jul 62:340:3209; S. Logan Kerr, HY5:Sept 62:291:3290; F.V.A. Engel, HY5:Sept 62:293:3290; P. G. Hubbard, E.O. Macagno and Hunter Rouse, HY1:Jan 63:187:3405
Clo: HY1:Jan 63:192:3405

LENT, C. E., JR.
Joins ASCE staff, CE:Jan 63:60

LEONARDS, G. A.
Flexibility of Clay and Cracking of Earth Dams, with J. Narain, SM2:Mar 63:47:3460
Dsc: K.S. Lane, SM6:Nov 63:109:3701; A.L. Little and G.C. Beaven, SM6:Nov 63:116:3701

LEPS, THOMAS M.
Dsc, SM4:Jul 63:219:3578, of "Soil-Cement as Slope Protection for Earth Dams", SM6:Dec 62:107:3361

LESLIE, DANA D.
Disc, with John M. Bird, of "Influence of Geological Conditions on Uplift," TR:128I:781:3443

LEUTHEUSSER, HANS J.
Turbulent Flow in Rectangular Ducts, HY3:May 63:1:3508

LEVE, HOWARD L.
Reliability Framework for Structural Design, ST4:Aug 63:315:3603

LEVI, V.
See M. Ojalvo, ST1:Feb 63:1:3408

LEVIEN, K. W.
Dynamic Flexibility Matrix Analysis of Frames, with B.J. Hartz, ST4:Aug 63:515:3612

LEVINTON, ZUSSE
Dsc, WW2:May 63:105:3527, of "Evaluation of Mooring Forces", WW4:Nov 62:19:3313
Dsc, WW2:May 63:103:3527, of "Offshore Mooring Island for Supertankers", WW4:Nov 62:1:3311

LEVITT, ALBERT
Dsc, deploring too many traffic signals, CE:Feb 63:58

LEVY, ROBERT S.
See Claus J. Meissner, ST6:Dec 63:325:3742

LEWIS, ALBERT D. M.
Dsc, EM3:Jun 63:213:3562, of "Network Analogy for the Truss Problem", EM6:Dec 62:33:3357

LEWIS, D. M.
Dsc, EM5:Oct 63:101:3687, of "Thermoelasticity of Heterogeneous Aeolotropic Plates", EM2:Apr 63:89:3466

LEWIS, DAVID J.
Hydro System Power Analysis by Digital Computer, with Loren A. Shoemaker, TR:128I:1074:3466

LEWITT, C. W.
Riveted and Bolted Joints: Fatigue of Bolted Structural Connections, with E. Chesson, Jr., and W.H. Munse, ST1:Feb 63:49:3411

LEY, R. D.
Symposium on Pumped Storage: General Planning of Pumped Storage, with E.S. Loane, PO2: July 62:211:3204
Dsc: Paul E. Gisiger, PO2:July 62:263:3208; Adlof A. Meyer, PO4:Dec 62:211:3374; Edward A. Rudulph, PO1:Sept 63:135:3652; G.H. Ritter, PO1:Sept 63:135:3652
Clo: PO1:Sept 63:136:3652

LEY, ROGER D.
Dsc, PO1:Sept 63:110:3652, of "Optimum Penstock Diameter in Hydroelectric Plants", PO2: July 62:9:3186
Dsc, PO1:Sept 63:174:3652, of "Symposium on Pumped Storage: American Pumped Storage Equipment and Operation", PO4:Dec 62:135:3370

LI, C. Y.
Colombia, S.A.--Placing Earth Fill for Troneras Dam, CE:Feb 63:37

LI, M. C.
Dsc of "Prediction of Swelling Potential for Compacted Clays," TR:128I:1485:3501

LI, SHU-T'IEN
Dsc of "Berthing and Mooring Forces," TR:128IV:388:3504
Dsc of "Surveys for the Lake Pontchartrain Bridge," TR:128IV:53:3409
Evaluation of Mooring Forces, WW4:Nov 62:19: 3313
Dsc: Zusse Levinton, WW2:May 63:105:3527; R.M. Langer, WW3:Aug 63:63:3621: Basil W. Wilson, WW3:Aug 63:65:3621
Foreforn t of Civil Engineers of Tomorrow, PP1:Jan 63:23:3397
Metallic Dome-Structure Systems, ST6:Dec 62:201:3358
Dsc: Milton Frederick Kirchman, ST2:Apr 63: 265:3502; R.M. Davies, ST5:Oct 63:297:3688
Operative Energy Concept in Marine Fendering, WW3:Aug 61:1:2875
Dsc: John Elliott George Palmer, WW1:Feb 62: 159:3068; P. Leimdorfer, WW2:May 62:159:3153
Clo: WW1:Feb 63:37:3442

LI, WEN-HSIUNG
Mechanics of Pipe Flow Following Column Separation, TR:128I:1233:3481

LIEBMAN, JON C.
See Vaughn C. Behn, SA3:Jun 63:1:3535

LIND, N. C.
Analysis of Structures by System Theory, ST2: Apr 62:1:3088
Dsc: Börje Langefors, ST5:Oct 62:187:3309; David H. Cheng, ST6:Dec 62:297:3376; Charles H. Samson, Jr., ST6:Dec 62:301:3376; Hsuan-Loh Su, ST3:Jun 63:145:3560
Clo: ST3:Jun 63:147:3560
Analysis of Structures by System Theory, TR:128II:786:3508
Dsc of "Critical Buckling Loads for Tapered Columns," TR:128I:749:3490
Dsc of "Limit Design of Crossed Steel Beams," TR:128II:465:3456

LIPP, ROBERT
Dsc, HY6:Nov 63:281:3708, of "Project Yields by a Probability Method", HY3:May 63:41:3513

LIST, E. J.
Dsc of "Depth and Spacing of Tile Drain Systems," TR:128III:554:3517

LITTLE, A. L.
Dsc, with G.C. Beaven, SM6:Nov 63:116:3701, of "Flexibility of Clay and Cracking of Earth Dams", SM2:Mar 63:47:3460

LIU, CHUN-YEH
Dsc of "Bar-Chain Method for Analyzing Truss Deformation," TR:128II:88:3401

LIU, HENRY
See A.R. Robinson, TR:128III:415:3511

LO, K. Y.
Dsc, SM4:Jul 63:243:3578, of "Study of Failure Envelope of Soils", SM1:Feb 63:145:3430

LOANE, E. S.
See R.D. Ley, PO2:July 62:211:3204

LOCKWOOD, MASON G.
Dsc, HW1:Apr 63:122:3504, of "Urban Transportation Tasks of the Future", HW1:May 62:21: 3120

LOCKWOOD, WILLIAM D.
Dsc, ST5:Oct 63:321:3688, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25: 3409

LOFFT, HENRY T.
See Reed A. Elliot, PO1:May 62:89:3137

LOH, A. K.
See T.H. Wu, SM1:Feb 63:145:3430

LONGACRE, LEONARD L.
Evaporation at High Elevations in California, with Harry F. Blaney, IR2:Jun 62:33:3172
Dsc: Kenneth M. Turner, IR4:Dec 62:65:3377; J.E. Christiansen, IR4:Dec 62:65:3377
Clo: IR2:Jun 63:77:3554
Evaporation at High Elevations in California, with Harry F. Blaney, TR:128III:444:3513

LONGORIA, ARNOLDO
Texas--Parking Garage in Downtown Houston Extended, CE:Mar 63:57

LOSBERG, A.
Dsc, SM2:Mar 63:129:3467, of "Load-Carrying Capacity of Concrete Pavements", SM3:Jun 62: 89:3174

LOUBSER, R. S.
Dsc, ST3:Jun 63:197:3560, of "Specifications for Structural Joints Using ASTM-A325 Bolts: Progress Report of the Task Committee on Riveted and Bolted Joints of the Committee on Metals of the Structural Division", ST5:Oct 62: 11:3294

LOUTZENHEISER, DONALD W.
New Concepts for Urban Freeway Interchanges, HW1:May 62:29:3124
Dsc: David A. Kuemmel, HW1:Apr 63:125:3504
Clo: HW1:Apr 63:126:3504
New Concepts for Urban Freeway Interchanges, TR:128IV:332:3492

LOW, EDWARD J.
Dsc of "Uniform Flow in a Shallow, Triangular Open Channel," TR:128I:655:3437
Optimum Penstock Diameter in Hydroelectric Plants, PO2:July 62:9:3186
Dsc: Raoul Sabljak, PO4:Dec 62:193:3374; Gordon V. Richards, PO1:Sept 63:109:3652; Roger D. Ley, PO1:Sept 63:110:3652; M.H. Fresen, PO1:Sept 63:111:3652

LOWERY, LEE L., JR.
See Charles H. Samson, Jr., ST4:Aug 63:413: 3608

LOWITZ, C. A.
See Chester W. Jones, TR:128III:349:3499

LU, LE-WU
Dsc of "Elasto-Plastic Analysis by Numerical Procedures," TR:128I:215:3408
Stability of Frames Under Primary Bending Moments, ST3:Jun 63:35:3547
Dsc: John E. Goldberg, ST5:Oct 63:367:3688; Eugene Guillard, ST5:Oct 63:367:3688; J. Michael Davies, ST6:Dec 63:455:3743

LUDWIG, HARVEY F.
See Aharon Meron, SA3:Jun 63:41:3555

LUDWIG, KLAUS R.
See Bruce R. Laverty, PO1:Sept 63:9:3642

LUECKER, ARTHUR R.
Guide for the Development of Flood Plain Regulations: Progress Report of the Task Force on Flood Plain Regulations of the Committee on Flood Control of the Hydraulics Division, HY5: Sept 62:73:3264
Dsc: Albert S. Fry, HY3:May 63:319:3529; R. C. Price, HY3:May 63:321:3529; Eugene W. Weber, George Mondrillo and Walter G. Sutton, HY3:May 63:323:3529; James M. Campbell, HY3:May 63:324:3529

LUKASIK, S. J.
Dsc, with C.E. Grosch, HY1:Jan 63:231:3405, of "Laminar Damping of Oscillatory Waves", HY3:May 62:155:3152

LUNCHICK, MYRON E.
Plastic Buckling Pressure for Spherical Shells, EM6:Dec 62:13:3352
Dsc: P.P. Bijlaard, EM3:Jun 63:203:3562
Clo: EM5:Oct 63:95:3687

LUNCHICK, M. E.
Dsc, EM6:Dec 63:271:3774, of "Limit Analysis of Cylindrical Shells", EM3:Jun 63:73:3544
Dsc, EM5:Oct 63:99:3687, of "Strong Stock Formation in Bilinear Hardening Media", EM2: Apr 63:1:3471

LUNDGREN, RAYMOND
See H. Bolton Seed, TR:128I:1443:3501

LUNDQUIST, ROY E.
Dsc, SA3:Jun 63:97:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

LUNT, O. R.
Dsc of "Tolerance of Plants to Salinity," TR:128III:575:3518

LUPFER, E. P.
Former ASCE officer dies, CE:Feb 63:60

LUSCHER, ULRICH
See Robert V. Whitman, SM6:Dec 62:135:3366

LUSTGARTEN, PAUL
Iterative Method in Frame Analysis, ST2:Apr 63:75:3481
Dsc: John E. Goldberg, ST5:Oct 63:347:3688

LYCAN, DANIEL L.
Effect of Structure and Foundation Interaction, with Nathan M. Newmark, EM5:Oct 61:1:2960
Dsc: George W. Housner, EM1:Feb 62:79:3060; R.O. Belsheim and G.J. O'Hara, EM2:Apr 62: 157:3107
Clo: EM4:Aug 63:69:3616

LYDDAN, ROBERT H.
Civil Requirements for Topographic Maps, SU1: Nov 62:1:3314
Dsc: Everett D. Morse, SU1:Feb 63:125:3441; Max Suter, SU2:Jun 63:85:3563; Daniel Kennedy, SU2:Jun 63:87:3563

MAASLAND, MARINUS
Water Table Fluctuations Induced by Irrigation, TR:128III:142:3223

MACAGNO, ENZO O.
Dsc, EM4:Aug 63:100:3616, of "Engineering Derivation of the Navier-Stokes Equations", EM3:Jun 63:1:3533
See P.G. Hubbard, HY1:Jan 63:187:3405

MACIAS-RENDON, MIGUEL ANGEL
Dsc of "Moment-Distribution Constants from Cardboard Analogs," TR:128II:68:3398

MACKRLE, S.
Mechanism of Coagulation in Water Treatment, SA3:May 62:1:3117

MACKRLE, S. Continued
Dsc: K.J. Ives, SA6:Nov 62:117:3336; James M. Morgan and Werner Stumm, SA6:Nov 62: 119:3336; R.F. Packham, SA6:Nov 62:121:3336; A.P. Black, SA1:Jan 63:75:3402
Clo: SA5:Oct 63:33:3685

MacNEAL, RICHARD H.
Arch Dam Analysis with an Electric Analog Computer, TR:128I:168:3403

MADHAV, M. R.
Dsc, with A. Sridharan, SM4:Jul 63:233:3578, of "Analysis of Primary and Secondary Consolidation", SM6:Dec 62:207:3373

MAGNUSEN, CLARENCE A.
Dsc, with Robert L. White, HY4:Jul 63:253: 3580, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327

MAHANEY, R. DAN
Fueling System for Dulles International Airport, with D.M. Hosler, AT1:Apr 63:51:3494

MALAIKA, JAMIL
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:380:3417
Flow in Noncircular Conduits, HY6:Nov 62:1: 3310
Dsc: Praxitelis A. Argyropoulos, HY3:May 63: 365:3529; Sergio Montes, HY3:May 63:368:3529; C.J. Posey, HY4:Jul 63:231:3580

MALHOTRA, V. M.
Dsc: CO2:Sept 63:133:3653, of "Statistical Evaluation of Concrete Tests", CO1:Mar 63:19: 3453

MALLETT, ROBERT H.
See Lucien A. Schmit, Jr., ST4:Aug 63:269: 3599

MALVERN, L. E.
See T.H. Wu, SM1:Feb 63:145:3430

MANDELBLIT, N.
Dsc, SA2:Apr 63:115:3501, of "Economics of Composting Municipal Refuse", SA4:Jul 62:47: 3201

MANLEY, P. L.
See E.P. Story, HY1:Jan 63:228:3405

MANN, JOHN F., JR.
Factors Affecting the Safe Yield of Ground-Water Basins, TR:128III:180:3434

MANN, O. CLARKE
Dsc, CE:Jun 63:69, on "Pretest Tiebacks and Drilled-In Caissons," CE:Apr 63:36
Dsc, SM4:Jul 63:209:3578, of "Ground Displacements from Air-Blast Loading", SM6:Dec 62:1:3346

MANSUR, EVERETT B.
Dsc, CE:Jun 63:68, on "Modern Flood-Plain Zoning Ordinance Adopted by Iowa City," CE:Apr 63:38

MAO, SHIEH-WEN
Sediment-Transport Capability in Erodible Channels, with Leonard Rice, HY4:Jul 63:69: 3569

MARIN, JOSEPH
Symposium on Teaching of Materials: New Type of Course on Engineering Materials, EM4:Aug 62:83:3247
Dsc: Desi D. Vasarhelyi, EM1:Feb 63:99:3440; Fred C. McCormick, EM1:Feb 63:101:3440
Clo: EM3:Jun 63:193:3562

MARKUS, ADOLFS
See Harold S. Farney, HY3:May 62:131:3143

MARMION, KEITH R.
Dsc of "Theoretical and Practical Aspects of Well Recharge," TR:128I:755:3442

MARTIN, CHARLES W.
Model Prediction of Fracture Due to Explosions, with Glenn Murphy, EM2:Apr 63:133:3491
Dsc: A.A. Eremin, EM5:Oct 63:103:3687

MARTIN, J. B.
Rigid-Plastic Analysis of General Structures, EM2:Apr 63:107:3488

MARTIN, JEAN J.
Kariba Left Bank Cofferdam, PO1:Mar 63:33: 3454
Dsc: Robert E. White, PO1:Sept 63:179:3652

MASCH, FRANK D.
Drag Forces in Velocity Gradient Flow, with Walter L. Moore, TR:128I:48:3394

MASON, PHILIP
See Herbert Rothman, ST4:Aug 63:353:3605

MASSEY, CAMPBELL
Lateral Bracing Force of Steel I Beams, EM6: Dec 62:89:3364
Dsc: M.G. Lay and T.V. Galambos, EM3:Jun 63:217:3562; Lewis C. Schmidt, EM3:Jun 63: 218:3562
Clo: EM6:Dec 63:263:3774

MASUR, E. F.
Dsc, EM3:Jun 63:197:3562, of "Energy Criterion and Snap Buckling of Arches", EM5:Oct 62: 87:3304

MATEOS, MANUEL
Dsc, SM3:May 63:181:3528, of "Soil Stabilization with Cement and Sodium Additives", SM6: Dec 62:81:3356

MATHER, BRYANT
Dsc, EM4:Aug 63:95:3616, of "Dynamic Response of Lattice-Type Structures", EM2:Apr 63:47:3484

MATHIES, FREDERICK J.
Water Supplies for Titan ICBM Bases, CO1: Mar 63:55:3455
Dsc: Robert W. Fritz, CO2:Sept 63:137:3653

MATTERN, DONALD H.
Receives ASCE Professional Recognition Award, CE:Apr 63:66

MAU, CARL FREDERICK
Memoir of, TR:128V:135

MAUCH, SAMUEL
Creep Buckling of Reinforced Concrete Columns, with M.J. Holley, ST4:Aug 63:451: 3610

MAUGHAN, W. DON
Project Yeilds by a Probability Method, with R.Y. Kawano, HY3:May 63:41:3513
Dsc: Leo R. Beard, HY6:Nov 63:279:3708; Manuel A. Benson, HY6:Nov 63:280:3708; Robert Lipp, HY6:Nov 63:281:3708; Myron B. Fiering, HY6:Nov 63:285:3708

MAVIS, F. T.
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:200:3407

MAYER, PAUL R.
Dsc, PO1:Sept 63:153:3652, of "Structural Design Practices for Tainter Crest Gates", PO4: Dec 62:47:3348

McCABE, W. L.
See C.C. Mow, EM3:Jun 63:21:3540

McCAIG, I. W.
Disc, with F.H. Jonker, of "Water-Hammer Analysis Including Fluid Friction," TR:1281: 1525:3502

McCAIG, IAN W.
See James L. Haydock, PO1:Sept 63:164:3652

McCARTY, PERRY L.
Dsc, SA6:Dec 63:65:3745, of "Free Energy as a Parameter in Biological Treatment," SA3:Jun 63:17:3539

McCASLAND, S. P.
Colombia, S.A.--International Credit for Andean Hydro, CE:Jan 63:36

McCLELLAN, T. J.
Dsc, ST3:Jun 63:207:3560, of "Model Studies of a Concrete Hyperbolic Paraboloid", ST6:Dec 62: 161:3353

McCLENDON, ELMO W.
See Thorndike Saville, Jr., TR:128IV:195: 3465

McCORMICK, C. W.
Plane Stress Analysis, ST4:Aug 63:37:3581
Dsc, ST2:Apr 63:267:3502, of "Space Frame Analysis by Matrices and Computer", ST6:Dec 62:245:3365

McCORMICK, FRED C.
Dsc, EM1:Feb 63:101:3440, of "Symposium on Teaching of Course on Engineering Materials", EM4:Aug 62:83:3247

McCRAW, WILLIAM F., JR.
Ohio--Meldhal Locks and Dam on the Ohio River, CE:Sep 63:56

McCULLOUGH, C. ROGERS
See Morton I. Goldman, TR:128V:62:3497

McCUTCHAN, ARTHUR I.
Short Cuts in Hydrology, HY3:May 63:203: 3522
Dsc: Ian Cordery, HY6:Nov 63:289:3708

McDERMOTT, J. F.
Michigan--Highway Bridges with All-Steel Abutments, CE:Feb 63:54

McENTYRE, J. G.
Land Surveying and Land Registration, with A. J. McNair, SU1:Feb 63:59:3437
Dsc: Winfield H. Eldridge, SU3:Oct 63:197: 3684

McGRATH, RAYMUND V.
Dsc, CE:Jul 63:62, on "Economies of High-Strength Steel for Reservoirs and Standpipes," CE:Apr 63:60

McKEE, K. E.
Dsc of "Economy of High Strength Steel Structural Members," TR:128II:842:3509

McKENNA, JOHN M.
See P.G. Fookes, SM2:Mar 63:139:3467

McKINNEY, ROSS E.
Dsc, SA3:Jun 63:75:3556, of "Activited Sludge Kinetics and Effluent Quality", SA6:Nov 62:1: 3322
Dsc, SA6:Dec 63:61:3745, of "Free Energy as a Parameter in Biological Treatment," SA3:Jun 63:17:3539
Dsc, SA3:Jun 63:85:3556, of "Package Aeration Plants in Florida", SA6:Nov 62:75:3330
Mathematics of Complete-Mixing Activated Sludge, SA3:May 62:87:3133
Dsc: P. Benedek, SA1:Jan 63:81:3402; D.R. Washington, L.J. Hetling and S. Sathyanarayana Rao, SA1:Jan 63:83:3402
Clo: SA3:Jun 63:71:3556
Mathematics of Complete-Mixing Activated Sludge, TR:128III:497:3516

McLAUGHLIN, ROBERT E.
Point of Zero Shear on Retaining Walls, CE:Aug 63:61

McLAURIN, BANKS
Memoir of, TR:128V:136

McLENNAN, L. S.
See I.R. Robinson, TR:128I:590:3432

McNAIR, ARTHUR J.
Dsc, SU3:Oct 63:204:3684, of "Orthonormal Equations for Surveying Adjustment", SU1:Feb 63:77:3438
See J.G. McEntyre, SU1:Feb 63:59:3437

McNIVEN, H. D.
Dsc, with C.B. Brown, SM5:Sept 63:103:3654, of Elastic Wave Velocities in Granular Soils, SM1:Feb 63:33:3407

McPHERSON, M. B.
Dsc, with M. Joseph Willis and J.V. Radziul, HY2:Mar 63:195:3468, of "Characteristics of the Inlet Hydrograph", HY5:Sept 62:245:3285
Dsc of "Diffusion in a Sectionally Homogeneous Estuary," TR:128III:34:3392

McRAE, JOHN L.
Dsc, with W.J. Turnbull, SM6:Nov 63:101:3701, of "Effective Stress Theory of Soil Compaction", SM2:Mar 63:27:3457

MECHEM, O. E.
Deep Injection Disposal Well for Liquid Toxic Waste, with T.H. Garrett, CO2:Sept 63:111:3650

MEEK, J. L.
Generalized Displacements in Structural Analysis, ST2:Apr 62:23:3089
Dsc: Fernando Venancio Filho, ST6:Dec 62:303:3376; B.J. Hart, ST6:Dec 62:316:3376
Clo: ST5:Oct 63:245:3688
Matrix Derivation of the Folded Plate Equations, ST3:Jun 63:77:3549

MEGAREFS, GEORGE J.
Dsc, with Anthony J. Lacopulos, ST5:Oct 63:279:3688, of "Direct Design of Plate and Shell Structure", ST6:Dec 62:127:3345
Method for Plastic Design of Frames, with Philip G. Hodge, Jr., ST1:Feb 63:197:3421

MEHLHORN, P. F.
See D.R.F. Harleman, HY2:Mar 63:67:3459

MEIER, R. W.
Dsc, CE:Jun 63:69, on Westinghouse Telecomputer Center in Pittsburgh, Pa., CE:Mar 63:91

MEISNER, MILTON
Dsc, AT2:Oct 63:53:3686, of "Effect of Gradient on Jet Transport Runway Lengths", AT1:Apr 63:39:3490

MEISSNER, CLAUS J.
Flexibility Method of Coupling Redundant Complex Structures, with Robert S. Levy, ST6:Dec 63:325:3742

MELLINGER, F. M.
Prestressed Concrete Pavement Practices, TR:128IV:149:3424

MELOSH, ROBERT J.
Structural Analysis of Solids, ST4:Aug 63:205:3593

MENCL, V.
Dsc, SM1:Feb 63:303:3436, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223

MENCL, VOJTĚCH
Dsc, SM1:Feb 63:259:3436, of "Friction and Cohesion of Saturated Clays", SM3:Jun 62:1:3158

MERON, AHARON
Salt Balances in Ground Water, with Harvey F. Ludwig, SA3:Jun 63:41:3555

MEYER, ADOLF A.
Dsc, SM1:Feb 63:304:3436, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223
Dsc, PO1:Sept 63:145:3652, of "Civil Engineering Design of TVA Steam Stations", PO3:Sept 62:73:3270
Dsc, PO1:Sept 63:169:3652, of "Symposium on Pumped Storage: Foreign Pumped Storage Projects", PO4:Dec 62:107:3369

MEYER, CARL F.
Dsc, SU1:Feb 63:127:3441, of "All-Versine Highway Spiral Formulas", SU1:Nov 62:41:3326

MEYER, HARVEY L.
Concrete Reactor Shield, TR:128III:266:3472

MEYER, L. D.
See E.T. Smerdon, TR:128I:36:3393

MEYERHOF, G. G.
Dsc, SM1:Feb 63:319:3436, of "Bearing Capacity of Foundations, SM5:Oct 62:13:3302
Load-Carrying Capacity of Concrete Pavements, SM3:Jun 62:89:3174
Dsc: Paul F. Carlton and Ruth M. Behrmann, SM6:Dec 62:271:3378; A.C. Liebenberg, SM6:Dec 62:278:3378, Frank Penner, SM6:Dec 62:280:3378; A. Losberg, SM2:Mar 63:129:3467
Clo: SM4:Jul 63:179:3578

MICHALOS, JAMES
Dynamic Response and Stability of Piers on Piles, WW3:Aug 62:61:3221
Dsc: Lymon C. Reese and T. Allan Haliburton, WW2:May 63:85:3527
Clo: WW4:Nov 63:87:3703
See Charles Birnstiel, ST2:Apr 63:161:3503

MICHENER, P. Z.
Virginia--Chesapeake Bay Bridge-Tunnel Survey, with E.O. Heaton, CE:Jun 63:54

MICKELSEN, WILLIAM R.
See Lionel V. Baldwin, TR:128I:1595:3507

MILAUSKAS, R.
Dsc, EM4:Aug 63:85:3616, of "Stability of Equilateral Triangular Plates", EM1:Feb 63:37:3426

MILLER, CHARLES A.
Influence Coefficients for Two-Hinged Arches, with Sidney A. Guralnick, ST4:Aug 62:41:3233

Dsc: K.V. Swaminathan, ST1:Feb 63:271:3435
Clo: ST5:Oct 63:261:3688

MILLER, C. L.
Man-Machine Communication in Civil Engineering, ST4:Aug 63:5:3594

MILLER, C. R.
Stabilization of Fivemile and Muddy Creeks, with W.M. Borlund, HY1:Jan 63:67:3392
Corr: HY6:Nov 63:257:3708

MILLER, LEE D.
Scintillation and the Surveyor, SU1:Feb 63:13:3417

MILLIGAN, C. H.
See Jacob W. Kijne, IR3:Sept 63:97:3655

MILLIGAN, V.
Experience with Canadian Varved Clays, with L.G. Soderman and A. Rutka, SM4:Aug 62:31:3224
Dsc: T. William Lambe, SM1:Feb 63:309:3436; W.J. Eden, SM1:Feb 63:309:3436; K.S. Lane, SM3:May 63:147:3528
Clo: SM6:Nov 63:81:3701

MILOJEVIC, MILOJE
Dsc, HY2:Mar 63:193:3468, of "Flow of Ground Water to Collector Wells", HY5:Sept 62:221:3284
Radial Collector Wells Adjacent to the River Bank, HY6:Nov 63:133:3704

MINTON, A. M.
A Formidable Challenge--Will Engineers Maintain Their Place as Professionals in the Space Age?, CE:May 63:55

MIRAJGAOKER, A. G.
Dsc, with V.K. Chitambaran, HY3:May 63:362:3529, of "Analysis of Synthetic Unit-Graph Methods", HY5:Sept 62:199:3279

MISRA, M. S.
See R.M. Advani, HY6:Nov 63:265:3708

MITCHELL, ROBERT J.
Pennsylvania--Incinerator Program for Delaware County, CE:Jun 63:64

MITCHELL, WILLIAM D.
Dsc, HY3:May 63:349:3529, of "Analysis of Synthetic Unit-Graph Methods", HY5:Sept 62:199:3279

MOH, ZA-CHIEH
Soil Stabilization with Cement and Sodium Additives, SM6:Dec 62:81:3356
Dsc: Manual Mateos, SM3:May 63:181:3528; Joakim G. Laguros, SM4:Jul 63:217:3578

MOHR, HENRY ARTHUR
Dsc, SM4:Jul 63:213:3578, of "Determining the Capacity of Bent Piles", SM6:Dec 62:65:3349

MONAHAN, CHARLES J.
Dsc, SM1:Feb 63:306:3436, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223

MONDRILLO, GEORGE
See Eugene W. Weber, HY3:May 63:323:3529

MONFORTON, G. R.
Matrix Analysis of Semi-Rigidly Connected Frames, with T.S. Wu, ST6:Dec 63:13:3713

MONTES, SERGIO
Dsc, HY3:May 63:368:3529, of "Flow in Noncircular Conduits", HY6:Nov 62:1:3310
Dsc, HY4:Jul 63:277:3580, of "Submerged Hydraulic Jump", HY1:Jan 63:139:3404

MONTGOMERY, HUGH B.
What Comes Before Construction of a Dam?, Hugh B. Montgomery, CE:Apr 63:56

MOODY, MARTIN L.
Dsc, ST5:Oct 63:285:3688, of "Buckling of Shear Buildings", ST6:Dec 62:149:3350

MOONEY, WILLIAM G.
See Robert M. Barnoff, TR:128II:629:3487

MOORE, CHESTER A.
Civil Engineering Education...What Educators and Employers Think, CE:Dec 63:64

MOORE, HERBERT
Dsc, HY4:Jul 63:245:3580, of "Economics of Urban Drainage Design", HY6:Nov 62:92:3321

MOORE, WALTER L.
See Frank D. Masch, TR:128I:48:3394

MOORE, WILLIAM W.
Dsc, SM3:May 63:157:3528, of "Direct-Shear Test for Effective-Strength Parameters", SM4:Aug 62:109:3232
Dsc of "Pile Heave and Redriving," TR:128I:591:3432

MORGAN, PAUL E.
Analysis of Synthetic Unit-Graph Methods, with Stanley M. Johnson, HY5:Sept 62:199:3279
Dsc: William D. Mitchell, HY3:May 63:349:3529; T.E. Harbaugh, HY3:May 63:354:3529; Merwin Dougal, HY3:May 63:359:3529; A.G. Mirajgaoker and V.K. Chitambaran, HY3:May 63:362:3529

MORGENSTERN, N. R.
See R.E. Gibson, SM6:Nov 63:127:3701

MORRIS, GROVER L.
See Gordon L. Culp, SA3:Jun 63:81:3556

MORRIS, J. CARRELL
See Walter J. Weber, SA2:Apr 63:31:3483

MORRIS, SAMUEL B.
Outlook for Economic Use of Fresh Water from the Sea, TR:128III:130:3422

MORRIS, SAMUEL BROOKS
Memoir of, TR:128V:110

MORROW, WILLIAM M.
See Lucien A. Schmit, Jr., ST2:Apr 63:107:3496

MORSE, EVERETT D.
Control Traverses and Their Adjustment, SU2:Jun 63:39:3546
Dsc: Paul E. Wylie, SU3:Oct 63:225:3684; Lansing G. Simmons, SU3:Oct 63:226:3684; Curtis M. Brown, SU3:Oct 63:228:3684
Dsc, SU1:Feb 63:125:3441, of "Civil Requirements for Topographic Maps", SU1:Nov 62:1:3314
Dsc, SU2:Jun 63:97:3563, of "Measuring the Precision of a Level", SU1:Feb 63:35:3424

MOSKOWITZ, KARL
Disc, with Ichiro Fukutome, of "Traffic Behavior and Freeway Ramp Design," TR:128IV:19:3396

MOST, H. J.
See T.E. Hess, ST4:Aug 63:249:3598

MOW, C. C.
Dynamic Stresses in an Elastic Cylinder, with W.L. McCabe, EM3:Jun 63:21:3540

MUELLER, G.
See S. Rosenhaupt, ST3:Jun 63:107:3559

MUELLER, IVAN I.
Geodesy and the Torsion Balance, SU3:Oct 63:123:3678

MUGA, BRUCE J.
Dsc, WW1:Feb 63:77:3442, of "Water Forces on Flexible Oscillating Cylinders", WW3:Aug 62:125:3234

MUIR, J. F.
Interest on Capital Invested in Construction, with Eugen Ruus, PO1:Sept 63:1:3622

MULLARKEY, J. M.
See M.J. Hroncich, PO2:July 62:183:3203

MULLEN, FRANCIS E.
St. Anthony Falls Navigation Project, CO1:Mar 63:1:3447

MÜLLER, LEOPOLD
Dsc, SM2:Mar 63:137:3467, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223

MULLIS, IRA B.
Properties of Roadbeds, HW1:Apr 63:81:3500

MUNSE, W. H.
Dsc of "Theory and Test Results on the Fatigue of Metals," TR:128II:924:3520
Riveted and Bolted Joints: Net Section Design, with E. Chesson, Jr., ST1:Feb 63:107:3413
See C.W. Lewitt, ST1:Feb 63:49:3411
See E. Chesson, Jr., ST1:Feb 63:67:3412

MURALIDHAR, D.
See N. Rajaratnam, HY3:May 63:395:3529

MURPHY, GEORGE J.
Virginia--Foundation Problems on the Second Elizabeth River Tunnel, with Isaac W. Tarshansky, CE:Jul 63:54

MURPHY, GLENN
See Charles W. Martin, EM2:Apr 63:133:3491

MURZEWSKI, JANUSZ
Dsc, ST3:Jun 63:187:3560, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

MUSLEH, F. E.
See M.J. Gutzwiller, TR:128II:152:3405

MUSS, DAVID L.
Are Our Criteria for Bathing-Water Pollution Valid?, CE:Nov 63:37

MYERS, L. E.
See Herman Bouwer, TR:128III:279:3475

NAGAI, S.
Stable Concrete Blocks on Rubble-Mound Breakwaters, TR:128IV:227:3474

NAGAI, SHOSHICHIRO
Sliding of Composite-Type Breakwaters by Breaking Waves, WW1:Feb 63:1:3428
Dsc: Taizo Hayashi, WW4:Nov 63:91:3703

NARAIN, J.
See G.A. Leonards, SM2:Mar 63:47:3460

NAGARAJ, T. S.
Dsc, SM5:Sept 63:135:3654, of "Effective Stress Theory of Soil Compaction", SM2:Mar 63:27:3457
Dsc, SM5:Sept 63:121:3654, of "Shear Strength Properties of a Sodium Illite", SM1:Feb 63:183:3431

NALEZNY, CHARLES L.
Dsc, SM5:Sept 63:127:3654, of "Load Transfer in Eng-Bearing Steel H-Piles", SM2:Mar 63:1:3450

NAMYET, SAUL
See Jurt Eisemann, ST6:Dec 62:245:3365

NARASIMHAMURTHY, GUBBI K.
Dsc, with Dronnadula V. Reddy, ST2:Apr 63:253:3502, of "Beam Analogy for the Solution of Vierendeel Trusses", ST5:Oct 62:25:3299

NEILL, C. R.
Dsc, CE:Apr 63:61, on "Civil Engineering Education," CE:Feb 63:52
Dsc, HY4:Jul 63:292:3580, of "Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division", HY2:Mar 63:97:3464
Dsc, HY1:Jan 63:287:3405 of "Optical Current Meter", HY5:Sept 62:13:3258

NEILL, C. R. Continued
Dsc, HY1:Jan 63:276:3405, of "Sediment Transportation Mechanics: Erosion of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division", HY4:Jul 62:109:3195
Dsc, CE:Aug 63:63, on "Scour at Bridge Piers," CE:May 63:46, 48

NEILL, CHARLES R.
Hydraulic Roughness of Corrugated Pipes, HY3:May 62:23:3111
Dsc: T. Blench, HY6:Nov 62:205:3338; H.A. Einstein, HY6:Nov 62:208:3338; I.W. McCaig and J.F. Fulton, HY6:Nov 62:209:3338; Rolf Kellerhals, HY1:Jan 63:201:3405; Herbert G. Bossy, HY1:Jan 63:202:3405
Clo: HY4:Jul 63:205:3580

NEILL, JAMES C.
See John B. Stall, HY1:Jan 63:25:3385

NEUMANN, FRANK
Seismic Forces on Engineering Structures, ST2:Apr 62:81:3100
Dsc: A.A. Eremin, ST5:Oct 62:189:3309; William W. Moore, ST6:Dec 62:319:3376
Clo: ST3:Jun 63:153:3560

NEWMARK, NATHAN M.
1962 ASCE Research Conference: Report by the Committee on Research, ASCE, PP1:Jan 63:37:3399
Research and Civil Engineering Education, PP2:Oct 61:1:2950
Clo: PP1:Jan 63:101:3401
Research and Civil Engineering Education, TR:128V:1:3435

NEWMAN, GENE J.
See S. Chas. Dearstyne, AT1:Apr 63:1:3473

NEWMAN, V. G.
Dsc, PO1:Sept 63:167:3652, of "Symposium on Pumped Storage: Development of Reversible Pump-Turbines", PO4:Dec 62:83:3368

NEWNAM, FRANK H., JR.
Houston's Jetero Airport: Location and Configuration, AT1:Apr 63:9:3475
Dsc: A. Roger Kelly, AT2:Oct 63:51:3686

NEWSON, RICHARD J.
Dsc, ST2:Apr 63:239:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

NICHOLLS, ROBERT L.
Operations Research in Construction Planning, CO2:Sept 63:59:3640

NICHOLS, ROBERT B.
How a Waterway Improvement Changed Environment, WW4:Nov 63:1:3690

NILSON, ARTHUR H.
Folded Plate Structures of Light Gage Steel, ST7:Oct 61:215:2970
Dsc: George Pincus, ST1:Feb 62:207:3066; Kaveti Seetharamulu, ST3:Jun 62:333:3179; Paul L. Koepsell and Fred Ritterhaus, ST4:Aug 62:217:3254
Clo: ST3:Jun 63:135:3560
Folded Plate Structures of Light Gage Steel, TR:128II:848:3514
Testing a Light Gage Steel Hyperbolic Paraboloid Shell, ST5:Oct 62:51:3300
Dsc: A.A. Eremin, ST2:Apr 63:257:3502

NIMR, AHMED EL
Seepage from Parallel Trapezoidal Channels, EM4:Aug 63:1:3582

NISHIDA, YOSHICHIKA
Dsc, SM5:Sept 63:131:3654, of "Load Transfer in End-Bearing Steel H-Piles", SM2:Mar 63:1:3450

NORDIN, C. F., JR.
Disc, with J.K. Culbertson, of "Forms of Bed Roughness in Alluvial Channels," TR:128I:303:3414

NORDLUND, R. L.
Bearing Capacity of Piles in Cohesionless Soils, SM3:May 63:1:3506
Dsc: Bengt B. Broms, SM6:Nov 63:125:3701
Dsc of "Pile Heave and Redriving," TR:128I:587:3432

NUTT, LOUIS P.
See Ivan H. Schwartz, HY4:Jul 63:97:3571

O'CONNELL, R. L.
Hydraulic Model Tests of Estuarial Waste Dispersion, with C.M. Walter, SA1:Jan 63:51:3394
Dsc: Alex N. Diachishin, SA3:Jun 63:109:3556
Clo: SA5:Oct 63:49:3685

O'CONNOR, GERALD A.
Venezuela--Long Concrete Cylinder Piles for Platform in Lake Maracaibo, CE:Apr 63:50

ODAR, FUAT
Scale Factors for Simulation of Drifting Snow, EM2:Apr 62:1:3093
Clo: EM1:Feb 63:79:3440

ODEN, J. T.
Dsc, ST3:Jun 63:217:3560, of "Deflection and Slope of Beams with Varying I", ST1:Feb 63:25:3409
Dsc, EM5:Oct 63:107:3687, of "Matrix Division", EM3:Jun 63:9:3538

OGLESBY, C. H., Chmn
Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division, CO1:Mar 63:73:3456
Dsc: L.R. Schaffer, CO2:Sept 63:141:3653; B.A. Whisler, CO2:Sept 63:143:3653; Harry Rubey, CO2:Sept 63:143:3653; R.L. Peurifoy, CO2:Sept 63:145:3653; William S. LaLonde, Jr., CO2:Sept 63:146:3653

OGRAM, ALFRED
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:61:3497

OJALVO, M.
Columns in Planar Continuous Structures, with V. Levi, ST1:Feb 63:1:3408

OJALVO, MORRIS
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:197:3407

OKAMURA, HIROKAZU
See Muneaki Kurata, EM3:Jun 63:169:3561

OLIVER, A. R.
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:204:3407
Dsc of "Variational Considerations for Elastic Beams and Shells," TR:128I:931:3450

OLKO, STEPHEN M.
Dsc of "Pile Heave and Redriving," TR:128I:578:3432

OLSON, ROY E.
Effective Stress Theory of Soil Compaction, SM2:Mar 63:27:3457
Dsc: Bengt B. Broms, SM4:Jul 63:247:3578; H.M. Horn, SM5:Sept 63:133:3654; T. William Lambe, SM5:Sept 63:134:3654; T.S. Nagaraj, SM5:Sept 63:135:3654; John L. McRae and W.J. Turnbull, SM6:Nov 63:101:3701
Shear Strength Properties of a Sodium Illite, SM1:Feb 63:183:3431
Dsc: T.S. Nagaraj, SM5:Sept 63:121:3654

ONDRA, OTAKAR
Deflection and Slope of Beams with Varying I, ST1:Feb 63:25:3409
Dsc: J.T. Oden, ST3:Jun 63:217:3560; Anthony Hoadley, ST5:Oct 63:301:3688; K.T. Krishnaswamy and S. Anantharamu, ST5:Oct 63:301:3688; Robert W. Gerstner, ST5:Oct 63:307:3688; N.C. Sinha, ST5:Oct 63:309:3688; A.C. Gangadharan and Dronnadula V. Reddy, ST5:Oct 63:315:3688; William D. Lockwood, ST5:Oct 63:321:3688; P. Diakonoff, ST6:Dec 63:429:3743
Moment-Distribution Constants from Cardboard Analogs, TR:128II:37:3398

O'NEILL, HUGH M.
Direct-Shear Test for Effective-Strength Parameters, SM4:Aug 62:109:3232
Dsc: Leslie G. Bromwell and Charles C. Ladd, SM1:Feb 63:313:3436; Raymond H. Rogers, SM1:Feb 63:316:3436; Carl B. Crawford, SM1:Feb 63:316:3436; William W. Moore, SM3:May 63:157:3528; John H. Schmertmann, SM3:May 63:158:3528
Clo: SM6:Nov 63:83:3701

ORE, E. L.
See E.C. Higginson, CE:Nov 63:38

ORIOB, GERALD T.
See Peter A. Krenkel, TR:128III:293:3491

OSAWA, YUTAKA
Strength of Prestressed Concrete Pavements, TR:128II:607:3485

OSPINA, CARLOS S.
Dsc, PO1:Sept 63:169:3652, of "Symposium on Pumped Storage: Foreign Pumped Storage Projects", PO4:Dec 62:107:3369

OSTAPENKO, ALEXIS
Dsc of "Principle of Virtual Work in Structural Analysis," TR:128II:207:3407

OSTERBERG, J. O.
See Y. Yoshimi, SM4:Jul 63:1:3566

OSWALD, WILLIAM J.
Dsc, SA4:Aug 63:127:3618, of "Stabilization Pond as a Nitrate Reducing Reactor", SA5:Sept 62:1:3260
Light Conversion Efficiency of Algae Grown in Sewage, TR:128III:47:3395

OZELL, A. M.
Dsc, EM4:Aug 63:103:3616, of "Mechanics of Crack Arrest in Concrete", EM3:Jun 63:147:3558

PAGAN, ALFRED R.
Hydraulic Design of Small Bridges, CE:Jul 63:35

PAGAY, S. N.
See C.J. Posey, CE:Mar 63:71

PALMER, A. H.
Integrated Structural Steel Design Program, with K. Balkus, C.A. Veldon and H.T. Blomquist, PO1:Sept 63:67:3649

PALMER, ROBERT Q.
Dsc, WW2:May 63:93:3527, of "Strengthening Breakwater at Vizagapatam," WW3:Aug 62:139:3249

PANUZIO, FRANK L.
See Samuel Gofseyeff, TR:128IV:394:3505

PARADA, RAMIRO
Dsc, CE:Oct 63:60, on "International Relationships in Engineering," CE:Jun 63:31

PARISI, PAUL A.
New Manager of ASCE Technical Publications, CE:Jul 63:65

PARK, WILLIAM R.
Pre-Design Estimates in Civil Engineering Projects, CO2:Sept 63:11:3627

PARKIN, A. K.
See D.H. Trollope, SM6:Nov 63:129:3701

PARKIN, ALAN K.
See D. Hugh Trollope, TR:128I:893:3448

PARKIN, BLAINE R.
Impact Waves in Sand: Theory Compared with Experiments on Sand Columns, SM3:Jun 61:1: 2828
Dsc: H.G. Hopkins, SM6:Dec 61:69:3032; Robert E. Fulton and A.J. Hendron, Jr., SM6:Dec 61:69:3032; E.T. Selig and E. Vey, SM6:Dec 61:73:3032; Robert V. Whitman, SM1:Feb 62:49:3061
Clo: SM3:Jun 62:205:3171
Corr: SM3:May 63:137:3528

PARKS, V. J.
See A.J. Durelli, EM2:Apr 63:71:3485

PARMAKIAN, JOHN
Noise Reduction Theory Applied to a Large Power Plant, PO1:May 62:19:3123
Dsc: Harlan F. Harris, PO4:Dec 62:165:3374
Clo: PO1:Sept 63:87:3652

PATEL, K. R.
Length of Culverts, HW1:Apr 63:27:3482
Pile Spacing for Retaining-Wall Foundations, K.R. Patel, CE:Dec 63:43

PATEL, P. C.
See S.L. Lee, TR:128II:74:3401

PAULHUS, J. L. H.
Dsc, HY3:May 63:385:3529, of "Extreme Rainfall Relationships", HY6:Nov 62:73:3319
Dsc, HY1:Jan 63:283:3405, of "Studies of Severe Rainstorms in Illinois", HY4:Jul 62:129: 3196

PAYNTER, HENRY M.
Dsc, HY1:Jan 63:214:3405, of "Water-Hammer Analysis Including Fluid Friction, HY3:May 62: 79:3135
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1533:3502

PECK, R. B.
Dsc, with M.T. Davisson, SM1:Feb 63:279: 3436, of "Friction Pile Groups in Cohesive Soil, SM3:Jun 62:117:3175

PEDERSEN, PAUL E.
Corr, CE:Apr 63:61, of "Effects of Tornados on Buildings," CE:Jan 63:51

PERAINO, JOSEPH
Virginia--Chesapeake Bay Bridge-Tunnel Project: Two Tunnels and Four Islands, CE:Dec 63:47

PERKINS, C. E.
For Planning Engineers--Big Opportunities Ahead, CE:Oct 63:48

PERKINS, FRANK E.
Dsc, with Allan C. Tedrow and Peter S. Eagleson, HY1:Jan 63:219:3405, of "Water-Hammer Analysis Including Fluid Friction", HY3:May 62: 79:3135
Disc, with Allan C. Tedrow and Peter S. Eagleson, of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1538:3502

PERKINS, PHILIP H.
Dsc, CE:Nov 63:73, on "Professional Identification in ASCE," CE:Apr 63:31
Reply, W.H. Wisely, CE:Nov 63:73

PETERS, R. L.
See M.D. Hensey, SM3:May 63:163:3528

PETERS, ROBERT M.
Washington--Aluminum in Rocky Reach Dam, CE:Jul 63:32
Dsc: J.H. Fetty, CE:Oct 63:61
Rep. by Author: CE:Oct 63:61

PETERSEN, MARGARET S.
Hydraulic Aspects of Arkansas River Stabilization, WW4:Nov 63:29:3699

PETERSEN, STEPHEN G.
Dsc, CE:Jul 63:62, on "Words to the Secretary on Professional Identification in ASCE," CE:Apr 63:31

PETERSEN, WARREN O.
Design of EHV Steel Tower Transmission Lines, PO1:May 62:39:3130
Dsc: Joseph R. Arena, PO4:Dec 62:169:3374
Clo: PO1:Sept 63:89:3652

PETERSON, DEAN F., JR.
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:410:3417

PETERSON, H. V.
Dsc of "Total Sediment Transport in the Lower Colorado River," TR:128I:735:3441

PETERSON, IVAN CHRISTIAN
Memoir of, TR:128V:136

PETERSON, R.
Dsc, SM6:Nov 63:123:3701, of "Oahe Dam: Geology, Embankment, and Cut Slopes", SM2: Mar 63:99:3466

PETTY, DABNEY E.
Memoir of, TR:128V:137

PEURIFOY, R. L.
Dsc, CO2:Sept 63:145:3653, of "Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division", CO1:Mar 63:73:3456

PHALEN, THOMAS E., JR.
Dsc, SM5:Sept 63:109:3654, of "Elastic Wave Velocities in Granular Soils," SM1:Feb 63:33: 3407

PHILBRICK, BENJAMIN SIMPSON
Memoir of, TR:128V:138

PICKARD, WILLIAM F.
Solving the Equations of Uniform Flow, HY4: Jul 63:23:3567

PIERCE, JACK W.
Report on Pipeline Practice by ASCE Pipeline Division Task Force, CE:Aug 63:34
Thin Wall Pipe in Distribution Systems, PL1: Jan 63:23:3390

PIERCE, THOMAS R.
See William H. Rowan, CE:May 63:40

PIERSON, W. J., JR.
Dsc of "Deep Water Wave Generation by Moving Wind Systems, TR:128IV:135:3416

PILLSBURY, ARTHUR F.
Dsc of "Tolerance of Plants to Salinity," TR:128III:575:3518
Dsc, IR4:Dec 63:49:3746, of "Unique Consumptive-Use Curve Related to Irrigation Practice, IR1:Mar 63:43:3449

PINCUS, GEORGE
Dsc of "Folded Plate Structures of Light Gage Steel," TR:128II:870:3514

PINNELL, CHARLES
Analytic Methods in Transportation: Systems Analysis for Arterial Street Operation, with Gilbert T. Satterly, Jr., EM6:Dec 63:67:3728
Traffic Behavior and Freeway Ramp Design, with Charles J. Keese, TR:128IV:1:3396

PIPER, CHARLES A., JR.
South Dakota--Lime Stabilizes Shale Subgrade on Interstate Highway, with Richard O. Berg, CE:Sep 63:35

PIPES, WESLEY O.
See Jimmie E. Quon, SA1:Jan 63:1:3382

PIROK, JOHN N.
See J. Edgar Revelle, TR:128III:191:3453

PISTER, KARL S.
Viscoelastic Plate on a Viscoelastic Foundation, TR:128I:937:3451

PLOTKIN, E. S.
Free Fallout-Shelter Design Data, CE:Oct 63:54

POHLAND, F. G.
Dsc, SA3:Jun 63:92:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

POLLATY, JAMES M.
Dsc, CO1:Mar 63:109:3465, of "Electrical Determination of the Moisture in Sand", CO2: Sept 62:25:3257

POLATTY, M.
See Curtis G. Anderson, SM4:Jul 63:165:3578

POPE, WENDELL L.
See Lyman S. Willardson, IR3:Sept 63:77:3638

POSEY, C. J.
Dsc, HY4:Jul 63:231:3580, of "Flow in Noncircular Conduits", HY6:Nov 62:1:3310
Dsc, HY1:Jan 63:255:3405, of "General Solution of the Hydraulic Jump in Sloping Channels", HY4:Jul 62:61:3190
Manning's Formula for Wide Trapezoidal Channels, with S.N. Pagay, CE:Mar 63:71
Scour at Bridge Piers: Protection of Threatened Piers, CE:May 63:48
Dsc, C.R. Neill, CE:Aug 63:63; A.R. Archer, Nov 63:72
Reply, L. Stabilini, CE:Aug 63:63

POWELL, RALPH W.
Dsc, IR1:Mar 63:69:3463, of "Critical Flow in Terms of Hydraulic Equivalents", IR2:Jun 62:1: 3155
Dsc of "Critical Flow in Terms of Hydraulic Equivalents," TR:128III:492:3515
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:406:3417

PRAKASH, SHAMSHER
Dsc, SM3:May 63:166:3528, of "Analysis of the Engineering News Pile Formula", SM5:Oct 62:1: 3298
Dsc, with M.S. Ghumman, SM3:May 63:171: 3528, of "Bearing Capacity of Foundations", SM5:Oct 62:13:3302
Dsc, SM5:Sept 63:124:3654, of "Earthquake Resistance of Sloping Core Dams", SM1:Feb 63:209:3434
Dsc, CE:Jun 63:69, of "An Engineer Goes Abroad," CE:Jan 63:17

PRASZKER, MICHAEL
Dsc of "Prediction of Swelling Potential for Compacted Clays," TR:128I:1480:3501
Installation Problems with Cast-in-Place Concrete Piles, CE:Mar 63:50

PRICE, R. C.
Dsc, HY3:May 63:321:3529, of "Guide for the Development of Flood Plain Regulations: Progress Report of the Task Force on Flood Plain Regulations of the Committee on Flood Control of the Hydraulics Division", HY5:Sept 62:73: 3264

PRICKETT, THOMAS A.
See William C. Walton, HY6:Nov 63:67:3695

PROCTOR, RALPH ROSCOE
Memoir of, TR:128V:139

PROKOSCH, WALTHER
Pan American Passenger Terminal at Idlewild Airport, AT1:Apr 63:67:3495

PROUDFIT, D. P.
Wisconsin--100 mgd Added to Milwaukee's Water Supply, with H.M. Ihling, CE:Sep 63:31

PRUGH, BYRON J.
Densification of Soils by Explosive Vibrations, CO1:Mar 63:79:3458

PRUS-CHACINSKI, T. M.
Dsc of "Stability of Alluvial Channels," TR:128I:705:3440

PRZYSTANSKI, J.
Dsc, SM6:Nov 63:97:3701, of "Load Transfer in End-Bearing Steel H-Piles", SM2:Mar 63:1:3450

PUMPHREY, JOHN WALTER
Memoir of, TR:128V:140

QUINN, A. O.
Photogrammetry to Locate Water, CE:Aug 63:50

QUON, JIMMIE E.
Thermal Decomposition of Human Waste, with Wesley O. Pipes, SA1:Jan 63:1:3382

QURAISHI, G. M.
Climate, Population, and Water Demand, SA2:Apr 63:1:3470

RADZIKOWSKI, H. A.
Chicago Road Show Features New Equipment, CE:Feb 63:32

RADZIUL, J. V.
See M.B. McPherson, HY2:Mar 63:195:3468

RAINVILLE, WALTER S.
Capacity of Urban Transportation Modes, with Wolfgang S. Homburger, HW1:Apr 63:37:3489

RAJARATNAM, N.
Dsc, with D. Muralidhar, HY3:May 63:395:3529, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327
Dsc of "Critical Flow in Terms of Hydraulic Equivalents," TR:128III:488:3515
Dsc, HY1:Jan 63:258:3405, of "General Solution of the Hydraulic Jump in Sloping Channels", HY4:Jul 62:61:3190
Dsc, SA2:Apr 63:93:3501, of "Manning Roughness Factors for Concrete Sewer Pipe", SA3:May 62:115:3140
See N.S. Govinda Rao, HY1:Jan 63:139:3404

RAMASESHAN, S.
Dsc of "Aqueduct Capacity Under an Optimum Benefit Policy," TR:128III:172:3430

RAMSEY, H.
Dsc, with W.D. Liam Finn, EM5:Oct 63:105:3687, of "Engineering Derivation of the Navier-Stokes Equations", EM3:Jun 63:1:3533

RAND, WALTER
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:393:3417

RANGA RAJU, K. G.
See R.J. Garde, HY6:Nov 63:153:3705

RANGANATHAM, B. V.
Dsc of "Cohesion After Non-Hydrostatic Consolidation," TR:128I:970:3452

RAO, N. S. GOVINDA
Submerged Hydraulic Jump, with N. Rajaratnam, HY1:Jan 63:139:3404
Dsc: Praxitelis A. Argyropoulos, HY3:May 63:409:3529; Sergio Montes, HY4:Jul 63:277:3580

RAO, S. KOTESWARA
Simplified Design of a Highway Transition Spiral, HW2:Sept 62:1:3277
Dsc: Bruno K. Wehner, HW1:Apr 63:131:3504; John O. Eichler, HW1:Apr 63:131:3504

RAO, S. SATHANARAYANA
See D.R. Washington, SA1:Jan 63:83:3402
See D.R. Washington, TR:128III:526:3516

RAPHAEL, JEROME M.
Dead-Load Stress in Model Dams by Method of Integration, TR:128II:234:3427
Prediction of Temperature in Rivers and Reservoirs, PO2:July 62:157:3200
Dsc: Peter B. Boyer, PO1:Sept 63:129:3652

RATNAM, M. V.
See Bengt B. Broms, SM6:Nov 63:1:3691

RAUDKIVI, A. J.
Study of Sediment Ripple Formation, HY6:Nov 63:15:3692

RAWLINGS, B.
Energy Relationships in Plastic Steel Structures, TR:128II:578:3480

RAY, GORDON K.
Disc, with William G. Westall, of "Reinforced Concrete Pavements for Airports," TR:128IV:35:3400

REDDY, DRONNADULA V.
Dsc, with Adoorvalappil C. Gangadharan, ST1:Feb 63:268:3435, of "Analysis of Vierendeel Truss by Influence Moments", ST4:Aug 62:33:3227
See A.C. Gangadharan, ST5:Oct 63:315:3688
See Gubbi K. Narasimhamurthy, ST2:Apr 63:253:3502

REE, FRANCIS H.
Physical Metallurgy and Mechanical Properties of Materials (Symposium): Relaxation Theory of Creep of Metals, with Taikyue Ree and Henry Eyring, TR:128I:1321:3488

REE, TAIKYUE
See Francis H. Ree, TR:128I:1321:3488

REESE, LYMON C.
Dsc, with T. Allan Haliburton, WW2:May 63:85:3527, of "Dynamic Response and Stability of Piers on Piles", WW3:Aug 62:61:3221
Dsc, with Harry M. Coyle, SM1:Feb 63:285:3436, of "Friction Pile Groups in Cohesive Soil", SM3:Jun 62:117:3175
Dsc, with Wayne B. Ingram, PO1:Sept 63:125:3652, of "Towers and Foundations for Project EHV", PO2:July 62:69:3193

REEVES, H. W.
Marine Oil Terminal for Rio de Janeiro, Brazil, TR:128IV:56:3410

REICH, OSCAR
Dsc, SM3:May 63:177:3528, of "Determining the Capacity of Bent Piles", SM6:Dec 62:65:3349

REID, R. O.
Boundary Flow Along a Circular Cylinder, with Basil W. Wilson, HY3:May 63:21:3512
Dsc: Paul S. Granville, HY6:Nov 63:277:3708

REID, ROBERT O.
See Basil W. Wilson, WW1:Feb 63:61:3442

REILLY, WILLIAM F.
Nuclear Power for the Arctic, with John T. Rhett, Jr., TR:128II:213:3412

REIMER, PAUL H., JR.
Dsc of "Moment-Distribution Constants from Cardboard Analogs," TR:128II:66:3398

REINSCHMIDT, KENNETH F.
See Cheng Y. Yang, EM3:Jun 63:43:3541

REISS, M.
Dsc of "Experimental and Analytical Study of a Folded Plate," TR:128II:366:3446

REISSNER, ERIC
Variational Considerations for Elastic Beams and Shells, EM1:Feb 62:23:3057
Dsc: A.R. Oliver, EM5:Oct 62:179:3307
Clo: EM2:Apr 63:157:3498
Variational Considerations for Elastic Beams and Shells, TR:128I:897:3450

RENTON, J. D.
Dsc, ST3:Jun 63:211:3560, of "Space Frame Analysis by Matrices and Computer", ST6:Dec 62:245:3365

RENTON, JOHN D.
Stability of Space Frames by Computer Analysis, ST4:Aug 62:81:3237
Dsc: A.A. Eremin, ST1:Feb 63:279:3435; Donald L. Dean, ST2:Apr 63:235:3502
Clo: ST5:Oct 63:263:3688

REQUARDT, GUSTAV J.
Germany--Utilities for the Divided City of Berlin, CE:Jan 63:46

REVELLE, J. EDGAR
Penstocks and Scroll Cases for Niagara Power Project, with John N. Pirok, TR:128III:191:3453

REYES, WILFREDO L.
Aerobic Digestion of Night Soil, with Cornelius W. Kruse, SA6:Nov 62:15:3323
Dsc: Dean M. Taylor, SA2:Apr 63:127:3501

REYNOLDS, G. C.
Dsc of "Elasto-Plastic Analysis by Numerical Procedures," TR:128I:219:3408

RHEINGANS, WILLIAM J.
Use of T-1 Steel for Oahe Spiral Cases, PO4: Dec 62:1:3339
Dsc: Perry C. Arnold, PO1:Sept 63:147:3652; G.R. Latham, PO1:Sept 63:148:3652

RHETT, JOHN T., JR.
See William F. Reilly, TR:128II:213:3412

RHODES, RICHARD S.
Dsc, SA2:Apr 63:131:3501, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

RHODES, ROBERT B.
Wisconsin--Milwaukee Has Highest Self-Supported Tower, Robert B. Rhodes, CE:Aug 63:48

RICE, LEONARD
See Shieh-Wen Mao, HY4:Jul 63:69:3569

RICE, R. C.
See Herman Bouwer, IR1:Mar 63:17:3448
See Herman Bouwer, TR:128III:279:3475

RICE, ROGER C.
Dsc, IR4:Dec 63:71:3746, of "Streamflow Records by Digital Computer", IR3:Sept 63:29: 3625

RICHARD, RALPH H.
See John E. Goldberg, ST4:Aug 63:333:3604

RICHARDS, GORDON V.
Dsc, PO1:Sept 63:109:3652, of "Optimum Penstock Diameter in Hydroelectric Plants", PO2:July 62:9:3186

RICHARDSON, E. V.
See D. B. Simons, TR:128I:284:3414

RICHART, F. E., JR.
Effect of Local Loss of Support on Foundation Design, with P. Zia, TR:128I:1149:3476
See B.O. Hardin, SM1:Feb 63:33:3407
See J.R. Hall, Jr., SM6:Nov 63:27:3698

RIGGS, H. C.
Dsc, SA2:Apr 63:122:3501, of "Reservoir Mass Analysis by a Low-Flow Series", SA5:Sept 62: 21:3283

RINGO, BOYD C.
Dsc, ST5:Oct 63:363:3688, of "Ultimate Load of H-Columns Under Biaxial Bending", ST2: Apr 63:161:3503

RISSONE, R. F.
Disc, with J.J. Williams of "Vibrations of Linearly Tapered Cantilever Beams," TR:128I: 1048:3461

RITTER, G. H.
Dsc, PO1:Sept 63:135:3652, of "Symposium on Pumped Storage: General Planning of Pumped Storage", PO2:July 62:211:3204

RITTERHAUS, FRED
See Paul L. Koepsell, TR:128II:875:3514

ROBERTS, E. A.
Georgia--Environmental Factors in Transmission-Line Design, CE:Jun 63:49

ROBERTS, P. W.
Disc, with Virgil Blancato, of "Berthing and Mooring Forces," TR:128IV:387:3504

ROBERTS, PALMER W.
Adverse weather--Its Effect on Engineering Design and Construction, dry cold conditions, CE:May 63:50

ROBERTS, STUART C.
Dsc, IR4:Dec 63:47:3746, of "Unique Consumptive-Use Curve Related to Irrigation Practice", IR1:Mar 63:43:3449

ROBERTS, WILLIS F.
See Gottfried Konecny, SU3:Oct 63:17:3666

ROBERTSON, JOHN A.
Dsc of "Roughness Spacing in Rigid Open Channels," TR:128I:400:3417

ROBERTSON, J. M.
Cavitation in Hydraulic Structures: Scale Effects Involved in Cavitation Experiments, HY3:May 63:167:3520

ROBERTSON, R. G.
Disc, with S.C.B. Eriksson, of "Experimental and Analytical Study of a Folded Plate," TR:128II:363:3446

ROBINSON, A. R.
Disc, with Henry Liu, of "Unification of Parshall Flume Data," TR:128III:415:3511

ROBINSON, I. R.
Disc, with L.S. McLennan, of "Pile Heave and Redriving," TR:128I:590:3432

RODGI, SHIVA
See Albert F. Bush, TR:128III:84:3418

ROGERS, EARL
Dsc, on achieving professionalism, in response to "Younger Viewpoint" invitation, CE:Oct 63:59

ROGERS, MILFORD E.
Dsc, SA3:Jun 63:99:3556, of "Functional Design of Rapid Sand Filters", SA1:Jan 63:17:3384

ROGERS, PAUL
Illinois--Engineers as Real Estate Developers, with George A. Kennedy, CE:Jun 63:33

ROGERS, RAYMOND H.
Dsc, SM1:Feb 63:316:3436, of "Direct-Shear Test for Effective-Strength Parameters", SM4: Aug 62:109:3232

ROLFE, S. T.
Dsc, ST5:Oct 63:333:3688, of "Effect of Cold-Straining on Structural Sheet Steels", ST2:Apr 63:1:3477

ROMUALDI, JAMES P.
Mechanics of Crack Arrest in Concrete, with Gordon B. Batson, EM3:Jun 63:147:3558
Dsc: A.M. Ozell, EM4:Aug 63:103:3616

ROMUALDI, J. P.
See E. D'Appolonia, SM2:Mar 63:1:3450

ROSENBLUETH, EMILIO
Distribution of Structural Response to Earthquakes, with Jorge I. Bustamante, EM3:Jun 62: 75:3177
Dsc: A.A. Eremin, EM6:Dec 62:155:3375; M.L. Juncosa, EM1:Feb 63:91:3440

ROSENHAUPT, SAKY
Experimental Study of Masonry Walls on Beams, ST3:Jun 62:137:3163
Dsc: Richard R. Schindler, ST5:Oct 62:193: 3309; A.W. Henry and S.Saad, ST6:Dec 62:325: 3376; P. Burhouse, ST1:Feb 63:251:3435
Clo: ST5:Oct 63:249:3688

ROSENHAUPT, S.
Openings in Masonry Walls on Settling Supports, with G. Mueller, ST3:Jun 63:107:3559

ROSS, WILLIAM EDWIN
Indiana--Richmond Sewer Extension Promotes Municipal Growth, with George Erganian, CE:Mar 63:48
Dsc: R.R. Bradshaw, CE:Jun 63:69

ROTHERY, RICHARD W.
See Denos C. Gazis, EM6:Dec 63:29:3724

ROTHMAN, HERBERT
Analysis of Large Movable Structures, with Philip Mason, ST4:Aug 63:353:3605

ROUSE, HUNTER
See P.G. Hubbard, HY1:Jan 63:187:3405

ROWAN, WILLIAM H.
Tennessee--Failure of a Side-Hill Highway Fill, with Thomas R. Pierce and Roger Webb, CE:May 63:40

ROWE, P. W.
Stress-Dilatancy, Earth Pressures, and Slopes, SM3:May 63:37:3507
Dsc: R.E. Gibson and N.R. Morgenstern, SM6:Nov 63:127:3701; D.H. Trollope and A.K. Parkin, SM6:Nov 63:129:3701

ROWE, R. E.
See G.D. Base, TR:128II:125:3404

ROWE, R. ROBINSON
Exam Gems, in each issue

ROZVANY, G. I. N.
Dsc, ST3:Jun 63:203:3560, of "Direct Design of Plate and Shell Structures", ST6:Dec 62:127: 3345

RUBEY, HARRY
Dsc, CO2:Sept 63:143:3653, of "Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division", CO1:Mar 63:73:3456

RUDDY, JOHN M.
Metal Work Design of High Intensity Radiation Cells, TR:128II:568:3473

RUDULPH, E. A.
Missouri--Taum Sauk Pumped-Storage Power Project, CE:Jan 63:40

RUDULPH, EDWARD A.
Dsc, PO1:Sept 63:135:3652, of "Symposium on Pumped Storage: General Planning of Pumped Storage", PO2:July 62:211:3204
Dsc, PO1:Sept 63:137:3652, of "Symposium on Pumped Storage: Site Investigations of Pumped Storage Facilities", PO2:July 62:233:3205

RUMER, R. R., JR.
Intruded Salt-Water Wedge in Porous Media, with D.R.F. Harleman, HY6:Nov 63:193:3707
See D.R.F. Harleman, HY2:Mar 63:67:3459

RUMER, RALPH R., JR.
See Donald R.F. Harleman, TR:128I:388:3417

RUMMAN, W. S.
Vibrations of Steel-Lined Concrete Chimneys, ST5:Oct 63:35:3661

RUMPF, JOHN L.
Calibration of A325 Bolts, with John W. Fisher, ST6:Dec 63:215:3731
See Robert A. Bendigo, ST6:Dec 63:187:3727

RÜSCH, HUBERT
Recent Advances in the Design and Behavior of Concrete Bridges, TR:128II:881:3519

RUSSELL, HAROLD E.
California--Tunnel Driving for Relocation of Railroad above Oroville Dam, CE:Feb 63:43

RUSSELL, T. L.
See R.C. Goodknight, WW2:May 63:29:3524

RUTKA, A.
See V. Milligan, SM4:Aug 62:31:3224

RUTLEDGE, DWIGHT H.
See Clyde D. Gessel, SU1:Nov 62:17:3318

RUUS, EUGEN
See J.F. Muir, PO1:Sept 63:1:3622

RYDER, FREDERICK L.
Dsc, EM1:Feb 63:95:3440, of "Dynamic Behavior of Cantilever Bridges", EM4:Aug 62:27:3229

SAAFAN, S. A.
Nonlinear Behavior of Structural Plane Frames, ST4:Aug 63:557:3615
Dsc: Robert Schmidt, ST6:Dec 63:459:3743

SACKMAN, J. L.
Steady Creep of a Nonhomogeneous Plate, TR:128I:1255:3484
Transverse Normal Stress in Beams, EM4:Aug 63:13:3590
Dsc: Robert Schmidt, EM6:Dec 63:273:3774

SALKOWSKI, ALBERT S.
Maryland--Reconstructing a Covered Timber Bridge in Baltimore County, CE:Oct 63:36

SALMON, CHARLES G.
Analysis of Triangular Bracket-Type Plates, EM6:Dec 62:41:3363
Dsc: Robert Schmidt, EM3:Jun 63:215:3562; B.J. Hartz, EM5:Oct 63:97:3687

SALSBURY, M. E.
Metropolitan Drainage Planning in Los Angeles County, SA6:Dec 63:37:3739

SALVADORI, MARIO G.
Dsc, EM3:Jun 63:229:3562, of "Stability of Equilateral Triangular Plates", EM1:Feb 63:37:3426
Stresses at a Re-Entrant Corner of a Plate, TR:128II:284:3436

SALZMAN, MILTON G.
Dsc, PO1:Sept 63:173:3652, of "Symposium on Pumped Storage: American Pumped Storage Equipment and Operation", PO4:Dec 62:135:3370
Symposium on Pumped Storage: Site Investigations of Pumped Storage Facilities, PO2:July 62:233:3205
Dsc: Edward A. Rudulph, PO1:Sept 63:137:3652; Joel B. Justin, PO1:Sept 63:138:3652

SAMSON, CHARLES H., JR.
Computer Study of Dynamic Behavior of Piling, with Teddy J. Hirsch and Lee L. Lowery, Jr., ST4:Aug 63:413:3608
Dsc, SM3:May 63:168:3528, of "Analysis of the Engineering News Pile Formula", SM5:Oct 62:1:3298
Dsc of "Analysis of Structures by System Theory," TR:128II:812:3508

SANDI, HOREA
Dsc, ST2:Apr 63:241:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

SANDOVER, J. A.
Electrical Determination of the Moisture in Sand, CO2:Sept 62:25:3257
Dsc: James M. Polatty, CO1:Mar 63:109:3465
Clo: CO2:Sept 63:129:3653

SANTRY, I. W., JR.
Manning Roughness Factors for Concrete Sewer Pipe, SA3:May 62:115:3140
Dsc: N. Rajaratnam, SA2:Apr 63:93:3501

SARPKAYA, TURGUT
Dsc, EM4:Aug 63:99:3616, of "Engineering Derivation of the Navier-Stokes Equations", EM3:Jun 63:1:3533
Unsteady Flow of Fluids in Closed Systems, EM3:Jun 62:1:3154
Dsc: Victor L. Streeter, EM5:Oct 62:197:3307
Clo: EM1:Feb 63:85:3440

SATTERLY, GILBERT T., JR.
See Charles Pinnell, EM6:Dec 63:67:3728

SAURIN, B. F.
Dsc of "Berthing and Mooring Forces," TR:128IV:391:3504

SAVAGE, RUDOLPH P.
Laboratory Determination of Littoral-Transport Rates, WW2:May 62:69:3128
Dsc: Thorndike Saville, Jr., WW4:Nov 62:141:3335; Madhav Monohar, WW4:Nov 62:144:3335; C.J. Galvin, Jr., WW1:Feb 63:57:3442

SAVILLE, THORNDIKE, JR.
Freeboard Allowances for Waves in Inland Reservoirs, with Elmo W. McClendon and Albert L. Cochran, TR:128IV:195:3465
Freeboard Allowances for Waves in Inland Reservoirs, with Elmo W. McClendon and Albert L. Cochran, WW2:May 62:93:3138
Clo: WW2:May 63:81:3527

SAYRE, WILLIAM W.
Roughness Spacing in Rigid Open Channels, with Maurice L. Albertson, TR:128I:343:3417

SCHAD, THEODORE M.
Perspective on National Water Resources Planning, HY4:Jul 62:17:3188
Dsc: Arnold Kent, HY5:Sept 62:345:3290; William P. Jones, Jr., HY6:Nov 62:233:3338; S.T. Harding, HY1:Jan 63:243:3405; Reed A. Elliot, HY1:Jan 63:246:3405

SCHAFFER, ERWIN L.
See Merlin D. Copen, PO1:Sept 63:133:3652

SCHAFFER, L. R.
Dsc, CO2:Sept 63:141:3653, of "Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and Management of the Construction Division", CO1:Mar 63:73:3456

SCHINDLER, RICHARD R.
Dsc, CE:Feb 63:58, praising features of Civil Engineering and discussing "A Blueprint for the Profession," CE:Dec 62:52

SCHMERTMANN, JOHN H.
Cohesion After Non-Hydrostatic Consolidation, with John R. Hall, Jr., TR:128I:949:3452
Comparisons of One and Two-Specimen CFS Tests, SM6:Dec 62:169:3372
Dsc: T.H. Wu, SM4:Jul 63:229:3578; R.L. Kondner, SM4:Jul 63:231:3578
Dsc, SM3:May 63:158:3528, of "Direct-Shear Test for Effective-Strength Parameters," SM4: Aug 62:109:3232
Dsc, SM1:Feb 63:260:3436, of "Friction and Cohesion of Saturated Clays", SM3:Jun 62:1:3158

SCHMID, WERNER E.
Dsc of "Cohesion After Non-Hydrostatic Consolidation," TR:128I:971:3452

SCHMID, ERWIN
Dsc, SU3:Oct 63:201:3684, of "Orthonormal Equations for Surveying Adjustment", SU1:Feb 63:77:3438

SCHMIDT, LEWIS C.
Dsc, EM3:Jun 63:218:3562, of "Lateral Bracing Forces of Steel I Beams", EM6:Dec 62:89:3364
See Leonard K. Stevens, ST6:Dec 63:137:3723

SCHMIDT, MILTON O.
Geodetic Engineering Education in West Germany, SU1:Feb 63:45:3425
Dsc: Rolland L. Hardy, SU3:Oct 63:193:3684
Role of Surveying in Civil Engineering Education, SU1:Feb 63:27:3420
Dsc: Carl I. Aslakson, SU2:Jun 63:95:3563; Harmer A. Weeden, SU3:Oct 63:185:3684; Rolland L. Hardy, SU3:Oct 63:186:3684; J.E. Colcord, SU3:Oct 63:187:3684; Henry W. Bigelow, SU3:Oct 63:188:3684

SCHMIDT, ROBERT
Dsc, EM3:Jun 63:215:3562, of "Analysis of Triangular Bracket-Type Plates", EM6:Dec 62:41:3363
Dsc, EM6:Dec 63:275:3774, of "Buckling of Circular Arches Under Nonuniform Pressure", EM4:Aug 63:17:3597
Dsc, ST3:Jun 63:223:3560, of "Buckling of Stepped Columns with Rotated Ends", ST1:Feb 63:165:3415
Dsc, ST2:Apr 63:259:3502, of "Elastic Strength of Tapered Columns", ST5:Oct 62:67:3301
Dsc, EM2:Apr 63:171:3498, of "Energy Criterion and Snap Buckling of Arches", EM5:Oct 62:87:3304
Dsc: EM4:Aug 63:102:3616, of "Engineering Derivation of the Navier-Stokes Equations", EM3:Jun 63:1:3533
Dsc, EM3:Jun 63:226:3562, of "Large Deflections of Plates on Elastic Foundations", EM1: Feb 63:1:3416
Dsc, ST6:Dec 63:459:3743, of "Nonlinear Behavior of Structural Plane Frames", ST4:Aug 63:557:3615
Dsc, CE:Oct 63:61, on Report of ASCE Task Committee on Society Objectives, CE:Jun 63:62
Dsc, ST5:Oct 63:349:3688, of "Stresses in a Pressurized Box", ST2:Apr 63:95:3492
Dsc, EM4:Aug 63:97:3616, of "Thermoelasticity of Heterogeneous Aeolotropic Plates", EM2: Apr 63:89:3486
Dsc, EM6:Dec 63:273:3774, of "Transverse Normal Stress in Beams", EM4:Aug 63:13:3590

SCHMIT, LUCIEN A., JR.
Structural Synthesis with Buckling Constraints, with William M. Morrow, ST2:Apr 63:107:3496
Structural Synthesis and Design Parameter Hierarchy, with Robert H. Mallett, ST4:Aug 63:269:3599
Synthesis of Material and Configuration Selection, with Thomas P. Kicher, ST3:Jun 62:79:3161
Clo: ST3:Jun 63:169:3560

SCHNELLER, FRANK
1964 Previews, CE:Dec 63:32

SCHULTZ, ERNEST R.
Design Features of Glen Canyon Dam, TR:128III:236:3471

SCHUMACHER, ROBERT
Dsc on engineering interest in a Moscow street scene, CE:Mar 63:70

SCHUSTER, D. E.
See L.G. Elser, SM1:Feb 63:67:3418

SCHWAB, G. O.
Dsc, IR4:Dec 63:59:3746, of "Design of Tile Drainage for Falling Water Tables", IR2:Jun 63:1:3543

SCHWAIGHOFER, JOSEPH
Extended Frozen Stress Method, EM6:Dec 62:1:3351
Dsc: E.Neil W. Lane, EM3:Jun 63:201:3562; A.J. Durelli, EM3:Jun 63:201:3562; P.S. Theocaris, EM4:Aug 63:73:3616

SCHWARTZ, H. IVAN
Projected Nappes Subject to Transverse Pressure, with Louis P. Nutt, HY4:Jul 63:97:3571

SCIAMMARELLA, C. A.
See A.J. Durelli, EM2:Apr 63:71:3485

SCOBEY, FRED CHARLES
Memoir of, TR:128V:111

SCORDELIS, A. C.
Experimental and Analytical Study of a Folded Plate, with E.L. Croy and I.R. Stubbs, TR:128II:342:3446

SCOTT, E. O.
Pipeline Location: Special Surveys-II: Progress Report of the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Pipeline Division, ASCE, PL1:Jan 63:17:3389
Pipeline Location: Special Surveys-I: Progress Report of the Task Committee on Pipeline Location of the Committee on Pipeline Location of the Division, ASCE, PL1:Jan 63:7:3388

SCOTT, VERNE H.
See Mahmoud A. Abu-Zied, HY3:May 63:119:3517

SCRIVNER, M. W.
Dsc, with Paul J. Tilp, IR4:Dec 63:65:3746, of "Flow Retardance by Channel Weeds and Their Control", IR2:Jun 63:31:3550
See Paul J. Tilp, HY6:Nov 63:270:3708

SEABLOOM, ROBERT W., JR.
See Robert O. Sylvester, IR3:Sept 63:1:3624

SEAMAN, D. E.
See J.C. Stephens, IR2:Jun 63:31:3550

SEARES, F. D.
See A.E. Bruington, TR:128I:755:3442

SEED, H. B.
Earthquake Resistance of Sloping Core Dams, with R.W. Clough, SM1:Feb 63:209:3434
Dsc: H.R. Cedergren, SM5:Sept 63:123:3654; Shamsher Prakash, SM5:Sept 63:124:3654

SEED, H. BOLTON
Prediction of Swelling Potential for Compacted Clays, with Richard J. Woodward, Jr., and Raymond Lundgren, SM3:Jun 62:53:3169
Dsc: W.G. Holtz and H.J. Gibb, SM4:Aug 62:207:3250; Michael Praszker, SM6:Dec 62:263:3378; E. Zolkov, SM6:Dec 62:266:3378; M.C. Li, SM6:Dec 62:267:3378; W.D. Liam Finn, SM6:Dec 62:268:3378
Clo: SM3:May 63:143:3528
Prediction of Swelling Potential for Compacted Clays, with Richard J. Woodward, Jr., and Raymond Lundgren, TR:128I:1443:3501

SEETHARAMULU, KAVETI
Dsc of "Folded Plate Structures of Light Gage Steel," TR:128II:873:3514

SEGINER, IDO
Water Distribution from Medium Pressure Sprinklers, IR2:Jun 63:13:3545

SEIGFRIED, WALTER D.
Dsc on ASCE publications for emerging countries, CE:Aug 63:62

SELBERG, ARNE
Dsc of "Corrected Deflection Theory of Suspension Bridges," TR:128II:27:3397

SELLECK, ROBERT E.
See Donald L. Feuerstein, SA4:Aug 63:1:3586

SELLNER, E. P.
Concrete for Marinas, CE:Jul 63:48
Dsc, SM4:Jul 63:221:3578, of "Soil-Cement as Slope Protection for Earth Dams", SM6:Dec 62:107:3361

SENN, CHARLES L.
Coliform Standards for Recreational Waters: Progress Report of the Public Health Activities Committee of the Sanitary Engineering Division, SA4:Aug 63:57:3617
Dsc: Max Suter, SA6:Dec 63:77:3745

SENNETT, ROBERT E., III
Buckling of Stepped Columns with Rotated Ends, with Sidney Shore, ST1:Feb 63:165:3415
Dsc: Robert Schmidt, ST3:Jun 63:223:3560

SERVIZI, J. A.
Free Energy as a Parameter in Biological Treatment, with R.H. Bogan, SA3:Jun 63:17:3539
Dsc: A.W. Busch, SA4:Aug 63:139:3618; Ross E. McKinney, SA6:Dec 63:61:3745; Perry L. McCarty, SA6:Dec 63:65:3745; John W. Hernandez, SA6:Dec 63:68:3745

SEXTON, ROBERT McCONNELL
Memoir of, TR:128V:140

SHAFFER, L. R.
Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, EM6:Dec 63:47:3734

SHAH, HARESH C.
Dsc, ST2:Apr 63:244:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

SHARP, M. L.
Dsc, ST5:Oct 63:341:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2:Apr 63:49:3479

SHAW, F. S.
Limit Analysis of Grid Frameworks, ST5:Oct 63:1:3658

SHEEHAN, WILLIAM M.
Dsc, CE:Jan 63:53, of "Roads to New York's World's Fair," CE:Nov 62:32

SHEERAR, LEWIS L.
Model for River Regulation, WW4:Nov 63:13:3693

SHELTON, M. J.
Bibliography on Pipeline Design, Construction, and Operation: Progress Report, Task Committee on Compilation of Bibliography of Reference Materials on Pipeline Design and Construction, Committee on Pipeline Design, Specifications, and Operating Standards, Pipeline Division, PL3:Oct 59:19:2205
Dsc: Donald Van Sickle, PL1:Feb 61:73:2753
Clo:PL1:Jan 63:53:3400
Engineer-Geologist Team Investigates Subsidence, with L.B. James, PL2:May 59:1:2023
Dsc: Richard E. Burnett, PL1:Feb 61:61:2753; William W. Moore, Vernon A. Smoots and David C. Liu, PL1:Feb 61:62:2753
Clo: PL1:Jan 63:51:3400

SHEN, HSIEH WEN
Dsc, HY6:Nov 63:269:3708, of "Friction Factors in Open Channels", HY2:Mar 63:97:3464

SHEPARD, A. P.
Metal-and-Paint Coatings for Long-Term Corrosion Resistance, CE:Oct 63:50

SHEPPARD, JOHN R.
Total Sediment Transport in the Lower Colorado River, TR:128I:721:3441

SHERBOURNE, A. N.
Numerical Methods in Bending and Buckling of Plates, ST4:Aug 63:137:3588

SHIEH, W. Y. J.
Dsc of "Analysis fo Circular Arches on Elastic Abutments," TR:128II:405:3449

SHOEMAKER, LOREN A.
See David J. Lewis, TR:128I:1074:3466

SHORE, SIDNEY
See Bruce E. Berger, EM2:Apr 63:47:3484
See Robert E. Sennett, III, ST1:Feb 63:165:3415

SHUKRY, AHMED
Dsc, HY3:May 63:333:3529, of "Boundary Shear Stresses in Curved Trapezoidal Channels", HY5:Sept 62:143:3273

SHULDINER, PAUL W.
See Joseph A. Wattleworth, EM6:Dec 63:97:3729

SHUVAL, HILLEL I.
Economics of Composting Municipal Refuse, SA4:Jul 62:47:3201
Dsc: George J. Kupchik, SA1:Jan 63:91:3402; Harold B. Gotaas, SA2:Apr 63:113:3501; N. Mandelblit, SA2:Apr 63:115:3501

SIEV, AVINADA
Analysis of Free Straight Multiflight Staircases, ST3:Jun 62:207:3168
Dsc: A.C. Liebenberg, ST6:Dec 62:327:3376; O.A. Glogau, ST1:Feb 63:253:3435
Clo: ST5:Oct 63:251:3688

SIGURDSSON, GUNNAR
Wave Forces on Breakwater Capstones, WW3:Aug 62:27:3218
Dsc: J.E. Deignan, WW1:Feb 63:73:3442
Clo: WW3:Aug 63:57:3621

SILBERMAN, E.
Dsc, HY2:Mar 63:189:3468, of "Boundary Shear Stresses in Curved Trapezoidal Channels", HY5:Sept 62:143:3273

SILBERMAN, E., Chmn
Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee on Hydromechanics of the Hydraulics Division, HY2:Mar 63:97:3464
Dsc: Andrew L. Simon, HY4:Jul 63:283:3580; T. Blench, HY4:Jul 63:285:3580; C.R. Neill, HY4:Jul 63:292:3580
Dsc: R.M. Advani and M.S. Misra, HY6:Nov 63:265:3708; Hsieh Wen Shen, HY6:Nov 63:269:3708; Paul J. Tilp and M.W. Scrivner, HY6:Nov 63:270:3708

SILLIMAN, J. W.
Dsc, CE:Jun 63:68, of "Detroit's Automated Post Office," CE:Mar 63:34

SILVESTER, R.
Design Waves for Littoral Drift Models, WW3: Aug 63:37:3620

SIMON, ANDREW L.
Dsc, HY4:Jul 63:283:3580, of "Friction Factors in Open Channels: Progress Report of the Task Force on Friction Factors in Open Channels of the Committee Hydromechanics of the Hydraulics Division", HY2:Mar 63:97:3464
Travel Time of Waves in Backwaters, HY6: Nov 63:1:3689

SIMMONS, LANSING G.
Dsc, SU3:Oct 63:226:3684, of "Control Traverses and Their Adjustment", SU2:Jun 63:39: 3546

SIMONS, D. B.
Dsc of "Stability of Alluvial Channels," TR:128I:698:3440
Forms of Bed Roughness in Alluvial Channels, with E.V. Richardson, TR:128I:284:3414

SIMONS, DARYL B.
Depth-Discharge Relations in Alluvial Channels, with E.V. Richardson and W.L. Haushild, HY5:Sept 62:57:3263
Dsc: H.A. Berdenis van Berlekom, HY2: Mar 63:183:3468
Uniform Water Conveyance Channels in Alluvial Material, with Maurice L. Albertson, TR:128I:65:3399

SIMON, J. RICHARD
See Robert F. Garfoot, PP1:Jan 63:15:3395

SIMPSON, FRANCIS EUGENE
Memoir of, TR:128V:141

SINHA, BIBHUTI PRASANNA
Dsc, ST2:Apr 63:201:3502, of "Limit Design of Reinforced Concrete Beams", ST7:Jul 60:1:2541

SINHA, N. C.
Dsc, ST5:Oct 63:309:3688, Of "Deflection and Slope of Beams with Varying I", ST1:Feb 63: 25:3409

SINHA, S. N.
Large Deflections of Plates on Elastic Foundations, EM1:Feb 63:1:3416
Dsc: Thien Wah, EM3:Jun 63:225:3562; Robert Schmidt, EM3:Jun 63:226:3562; Daniel Frederick, EM4:Aug 63:79:3616

SITTNER, WALTER T.
Extension of Rating Curves by Field Surveys, HY2:Mar 63:1:3444
Dsc: J.C. Stevens, HY4:Jul 63:281:3580

SKALAK, RICHARD
See Melvin L. Baron, TR:128I:1092:3469

SKARPELOS, JOHN M.
See Richard F. Foster, SA6:Dec 63:17:3733

SLOAN, GARRETT
Dsc, SA3:Jun 63:104:3556, of "Functional Design of Rapid Sand Filters", SA1:Jan 63:17:3384

SMERDON, E. T.
Disc, with R.P. Beasley, and L.D. Meyer, of "Hood Inlet for Closed Conduit Spillways," TR:128I:36:3393

SMERDON, ERNEST T.
Subsurface Water Distribution in Surface Irrigation, IR1:Mar 63:1:3445
Dsc: John R. Davis, IR3:Sept 63:91:3655

SMITH, BRYAN STAFFORD
Lateral Stiffness of Infilled Frames, ST6:Dec 62:183:3355
Dsc: A.A. Eremin, ST3:Jun 63:209:3560; Jack R. Benjamin, ST5:Oct 63:295:3688

SMITH, C. D.
Brink Depth for a Circular Channel, HY6: Nov 62:125:3327
Dsc: M.H. Diskin, HY2:Mar 63:203:3468; R. M. Advani, HY3:May 63:389:3529; Praxitelis A. Argyropoulos, HY3:May 63:393:3529; N. Rajaratnam and D. Muralidhar, HY3:May 63:395:3529; John K. Vennard, HY3:May 63:403:3529; Fred W. Blaisdell, HY4:Jul 63:249:3580; Clarence A. Magnusen and Robert L. White, HY4:Jul 63: 253:3580
Clo: HY6:Nov 63:253:3708
Dsc of "Hood Inlet for Closed Conduit Spillways," TR:128I:25:3393

SMITH, HERMAN E.
Oklahoma--100-mile Pipeline Brings Water to Oklahoma City, with Lee B. Washbourne, CE:Oct 63:32

SMITH, WAYNE W.
Dsc, SM4:Jul 63:223:3578, of "Basic Experiments into Soil-Structure Interaction", SM6: Dec 62:135:3366

SMITH, WILBUR S.
Urban Transportation Tasks of the Future, HW1:May 62:21:3120
Dsc: Luther Gulick, HW1:Apr 63:121:3504; Mason G. Lockwood, HW1:Apr 63:122:3504; E. Wilson Campbell, HW1:Apr 63:123:3504

SMITH, WINCHELL
California--A Moving Boatline for River-Flow Measurement at Sacramento, with F.C. Craig, CE:Sep 63:43
Optical Current Meter, with Glen F. Bailey, HY5:Sept 62:13:3285
Dsc: C.R. Neill, HY1:Jan 63:287:3405; Praxitelis A. Argyropoulos, HY1:Jan 63:288: 3405
Clo: HY4:Jul 63:223:3580

SODERMAN, L. G.
See V. Milligan, SM4:Aug 62:31:3224

SOLLENBERGER, NORMAN J.
See David P., Billington, CE:Apr 63:48

SOLOMON, JACOB
Structure Designs Goverened by Limited Deformations, ST6:Dec 63:71:3718

SOOKY, A. A.
See J.W. Delleur, TR:128I:794:3444

SORENSEN, R. M.
See John B. Herbich, WW2:May 63:55:3526

SOUDER, BYRON NORVIN
Memoir of, TR:128V:142

SPEAS, R. DIXON
Forecast of Air Transport for 1980, with Leroy Simpson, AT1:Aug 62:63:3240
Dsc: Walter E. Gillfillan, AT1:Apr 63:93:3505

SPENCER, R. W.
Dsc, SM4:Jul 63:239:3578, of "Oahe Dam: Influence of Shale on Oahe Power Structures Design", SM1:Feb 63:95:3423

SPILLERS, WILLIAM R.
Applications of Topology in Structural Analysis, ST4:Aug 63:301:3600
Dsc, ST3:Jun 63:215:3560, of "Space Frame Analysis by Matrices and Computer", ST6:Dec 62:245:3365
Network Analogy for Linear Structures, EM4: Aug 63:21:3601
Dsc: Steven J. Fenves, EM6:Dec 63:277:3774
Network Analogy for the Truss Problem, EM6: Dec 62:33:3357
Dsc: Donald L. Dean, EM3:Jun 63:209:3562; Albert D.M. Lewis, EM3:Jun 63:213:3562
Clo: EM6:Dec 63:259:3774

SPITZER, FELIX HENRY
Memoir of, TR:128V:142

SPOFFORD, C. M.
ASCE Hon. M. and former officer dies, CE: Sep 63:69

SRIDHARAN, A.
Dsc, SM2:Mar 63:147:3467, of "Analysis of the Engineering News Pile Formula", SM5:Oct 62:1:3298
See M.R. Madhav, SM4:Jul 63:233:3578

STABILINI, LUIGI
Scour at Bridge Piers: Cause and Effect, CE:May 63:46
Dsc, C.R. Neill, CE:Aug 63:63; A.R. Archer, Nov 63:72
Reply, L. Stabilini, CE:Aug 63:63

STALL, JOHN B.
Calculated Risks of Impounding Reservoir Yield, with James C. Neill, HY1:Jan 63:25:3385
Reservoir Mass Analysis by a Low-Flow Series, SA5:Sept 62:21:3283
Dsc: W.E. Howard, SA1:Jan 63:95:3402; C.H. Hardison and L.W. Furness, SA2:Apr 63:119: 3501; H.C. Riggs, SA2:Apr 63:122:3501; Myron B. Fiering, SA2:Apr 63:125:3501
Clo: SA5:Oct 63:43:3685

STAVSKY, YEHUDA
Thermoelasticity of Heterogeneous Aeolotropic Plates, EM2:Apr 63:89:3486
Dsc: Robert Schmidt, EM4:Aug 63:97:3616; D.M. Lewis, EM5:Oct 63:101:3687

STELSON, T. E.
See Y. Yoshimi, SA2:Apr 63:61:3493

STEPHENS, J. C.
Flow Retardance by Channel Weeds and Their Control, with R.D. Blackburn, D.E. Seaman, and L.W. Weldon, IR2:Jun 63:31:3550
Dsc: M.W. Scrivner and Paul J. Tilp, IR4: Dec 63:65:3746

STETINA, HENRY J.
Choosing the Best Structural Fastener, CE:Nov 63:50

STEVENS, J. C.
Dsc, HY4:Jul 63:281:3580, of "Extension of Rating Curves by Field Surveys", HY2:Mar 63:1: 3444

STEVENS, LEONARD K.
Determination of Elastic Critical Loads, with Lewis C. Schmidt, ST6:Dec 63:137:3723

STEVENS, LEONARD KELMAN
Design of Frames with Deformation the Prime Criterion, ST1:Feb 62:55:3053
Dsc: Phillip L. Gould, ST4:Aug 62:243:3254; J.B. Martin, ST4:Aug 62:244:3254
Clo: ST1:Feb 63:231:3435

STEVENSON, J. C.
Dsc of "Manifold Stilling Basin," TR:128I:454: 3421

STEWART, GEORGE C.
New York--Freezing Aids Shaft Sinking for Tunnel under New York Harbor, with William K. Gildersleeve, Stanley Jampole, and John E. Connolly, CE:Apr 63:52

STITH, RAYMOND J.
A Blueprint for the Profession, CE:Dec 62:52
Dsc: H.A. Hagestad, CE:Feb 63:57; G.R. Berry, CE:Feb 63:57; V.A. Wienski, CE:Feb 63:57; R.R. Schindler, CE:Feb 63:58

STOKES, RALPH C.
See James R. Ayers, WW2:May 63:15:3523

STONEX, KENNETH A.
Correlation of Future Vehicle and Highway Design, TR:128IV:302:3483

STORY, E. P.
Dsc, with P.L. Manley, HY1:Jan 63:228:3405, of "Side-Channel Spillway Design", HY3:May 62: 131:3143

STOUT, GLENN E.
Studies of Severe Rainstorms in Illinois, with F.A. Huff, HY4:Jul 62:129:3196
Dsc: J.L.H. Paulhus, HY1:Jan 63:283:3405

Clo: HY2:Mar 63:177:3468

STOUT, NORMAN H.
Dsc of "Titan ICBM Hardened Facilities," TR:128II:532:3467

STRAUB, LORENZ G.
Internationally known hydraulic engineer, dies, CE:Dec 63:94

STREETER, VICTOR L.
Dsc, HY6:Nov 63:295:3708, of "Velocity of a Water-Hammer Wave in an Elastic Pipe", HY4: Jul 63:1:3565
Valve Stroking to Control Water Hammer, HY2:Mar 63:39:3452
Water-Hammer Analysis Including Fluid Friction, with Chintu Lai, HY3:May 62:79:3135
Dsc: Franklin DeFazio, HY6:Nov 62:221:3338; I.W. McCaig and F.H. Jonker, HY6:Nov 62:222: 3338; B.A. Sutton, HY6:Nov 62:222:3338; S. Logan Kerr, HY1:Jan 63:207:3405; R.C.F. Bartels, HY1:Jan 63:208:3405; C.A.M. Gray, HY1:Jan 63:211:3405; Henry M. Paynter, HY1: Jan 63:214:3405; Frank E. Perkins, Allan C. Tedrow and Peter S. Eagleson, HY1:Jan 63:219: 3405
Clo: HY3:May 63:307:3529
Water-Hammer Analysis Including Fluid Friction, with Chintu Lai, TR:128I:1491:3502

STRUB, R. A.
See M. Braikevitch, PO4:Dec 62:83:3368

STUART, W. HAROLD
Influence of Geological Conditions on Uplift, TR:128I:765:3443

STUBBS, I. R.
See A.C. Scordelis, TR:128II:342:3446

STUESSI, F.
Theory and Test Results on the Fatigue of Metals, TR:128II:896:3520

SU, HSUAN-LOH
Dsc, ST3:Jun 63:145:3560, of "Analysis of Structures by System Theory", ST2:Apr 62:1: 3088
Dsc of "Analysis of Structures by System Theory," TR:128II:813:3508
Orthonormal Equations for Surveying Adjustment, SU1:Feb 63:77:3438
Dsc: Erwin Schmid, SU3:Oct 63:201:3684; Arthur J. McNair, SU3:Oct 63:204:3684

SU, H. L.
Dsc of "Flow Graphs in Structural Analysis," TR:128II:181:3406

SUJATA, H. L.
Disc with Hans Conrad of "Physical Metallurgy and Mechanical Properties of Materials (Symposium): Brittle Fracture," TR:128I:1353: 3488

SUMMERS, JOSEPH B.
Dsc, IR2:Jun 63:95:3554, of "Limitations of Metergates", IR4:Dec 62:23:3359

SUTCLIFFE, SAMUEL
Strong Shock Formation in Bilinear Hardening Media, EM2:Apr 63:1:3471
Dsc: M.E. Lunchick, EM5:Oct 63:99:3687; A.A. Eremin, EM5:Oct 63:99:3687

SUTER, MAX
Dsc, SU2:Jun 63:85:3563, of "Civil Requirements for Topographic Maps," SU1:Nov 62:1: 3314
Dsc, SA6:Dec 63:77:3745, of "Coliform Standards for Recreational Waters: Progress Report of the Public Health Activities Committee of the Sanitary Engineering Division, SA4:Aug 63:57: 3617
Dsc of "Factors Affecting the Safe Yield of Ground-Water Basins," TE:128III:188:3434

SUTHERLAND, R. A.
Dsc, PO1:Sept 63:171:3652, of "Symposium on Pumped Storage: Foreign Pumped Storage Projects", PO4:Dec 62:107:3369

SUTHERLAND, ROBERT A.
Dsc, PO1:Sept 63:176:3652, of "Symposium on Pumped Storage: American Pumped Storage Equipment and Operation", PO4:Dec 62:135:3370

SUTTON, B. A.
Dsc of "Water-Hammer Analysis Including Fluid Friction," TR:128I:1526:3502

SUTTON, WALTER G.
See Eugene W. Weber, HY3:May 63:323:3529

SVEE, ROALD
Formulas for Design for Rubble-Mound Breakwaters, WW2:May 62:11:3114
Dsc: Robert Q. Palmer and Clarence S. Fujii, WW4:Nov 62:135:3335; Anton Brandtzaeg, WW1: Feb 63:51:3442
Clo: WW3:Aug 63:51:3621

SVERDRUP, L. J.
Virginia--Chesapeake Bay Bridge-Tunnel Project: Engineering Design, CE:Dec 63:44

SWAMINATHAN, K. V.
Analysis of Circular Arches on Elastic Abutments, ST1:Feb 62:75:3054
Dsc: W.Y.J. Shieh, ST4:Aug 62:247:3254
Clo: ST1:Feb 63:233:3435
Analysis of Circular Arches on Elastic Abutments, TR:128II:369:3449

SWAMINATHAN, K. V. Continued
Dsc, ST1:Feb 63:271:3435, of "Influence Coefficients for Two-Hinged Arches", ST4:Aug 62:41:3233

SWENSON, PAUL B.
See Michael S. Tavenner, SU3:Oct 63:7:3664

SYLVESTER, JACK
Dsc, CE:Dec 63:68, of "The Wearing of the Badge," CE:Oct 63:31

SYLVESTER, ROBERT O.
Quality and Significance of Irrigation Return Flow, with Robert W. Seabloom, Jr., IR3:Sept 63:1:3624

SZIDAROVSKY, JOHN
Corrected Deflection Theory of Suspension Bridges, TR:128II:1:3397

TAKAGI, SHUNSUKE
Plane Plastic Deformation of Soils, EM3:Jun 62:107:3180
Clo: EM1:Feb 63:93:3440

TALL, L.
Disc, with F.R. Estuar, of "Buckling Behavior Above the Tangent Modulus Load," TR:128I: 842:3445

TALLARICO, L. T.
Dsc of "Vibration Analysis for Structural Floor Systems," TR:128II:300:3438

TAMARGO, JESUS R.
Dsc, ST5:Oct 63:342:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2: Apr 63:49:3479

TANIMOTO, BENNOSUKE
Eigen-Matrix Method for Beams and Plates, ST5:Oct 63:173:3681

TANNENBAUM, MARCEL
Dsc, ST2:Apr 63:245:3502, of "Safety of Eccentrically Loaded Reinforced Concrete Columns", ST5:Oct 62:1:3292

TARSHANSKY, ISAAC W.
See George J. Murphy, CE:Jul 63:54

TATE, A. P. K.
Dsc, SM1:Feb 63:290:3436, of "Friction Pile Groups in Cohesive Soil, SM3:Jun 62:117:3175

TAVENNER, MICHAEL S.
Photogrammetic Determination of Azimuth, with Paul B. Swenson, SU3:Oct 63:7:3664

TAYLOR, DEAN M.
Advances in Sludge Disposal in the Period from October 1, 1954, to February 1, 1960: Progress Report of the Subcommittee on Sludge Disposal of the Committee on Sewerage and Sewage Treatment of the Sanitary Engineering Division, SA2: Mar 62:13:3075
Dsc: R.E. Dodson, SA4:Jul 62:71:3206; Ralph Stone, SA4:Jul 62:71:3206; C.E. Keefer, SA5: Sept 62:49:3288
Clo: SA1:Jan 63:73:3402
Dsc, SA2:Apr 63:127:3501, of "Aerobic Digestion of Night Soil", SA6:Nov 62:15:3323

TAYLOR, GUY HARVEY
Memoir of, TR:128V:143

TAYLOR, THOMAS W.
Economic Advantages of Ultimate-Strength Design, CE:Nov 63:65

TEDROW, ALLAN C.
See Frank E. Perkins, HY1:Jan 63:219:3405
See Frank E. Perkins, TR:128I:1538:3502

TERZAGHI, KARL
ASCE Hon. Mem., dies, CE:Dec 63:76
Dsc, SM1:Feb 63:295:3436, of "An Approach to Rock Mechanics", SM4:Aug 62:1:3223
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:56:3497

TEZCAN, SEMIH S.
Dsc, ST6:Dec 63:445:3743, of "Simplified Formulation of Stiffness Matrices", ST2:Apr 63:33:3478

THACKWELL, H. L.
Dsc, SA5:Oct 63:45:3685, of "Functional Design of Rapid Sand Filters", SA1:Jan 63:17:3384

THELEN, ARTHUR
See Kuang-Han Chu, ST6:Dec 63:159:3726

THEOCARIS, P. S.
Dsc, EM4:Aug 63:73:3616, of "Extended Frozen Stress Method", EM6:Dec 62:1:3351

THIBODEAUX, MURPHY H.
See Herbert Beckman, WW2:May 62:125:3141

THOMANN, ROBERT V.
Mahtematical Model for Dissolved Oxygen, SA5:Oct 63:1:3680

THOMAS, D. M.
Dsc of "Hurricane Studies of New York Harbor," TR:128IV:421:3505

THOMAS, HENRY H.
Australia--Machine Tunneling in Tasmania, CE:Mar 63:60

THOMAS, ROBERT O.
Dsc of "Factors Affecting the Safe Yield of Ground-Water Basins," TR:128III:186:3434

THOMPSON, C. B.
Study of Municipal and Irrigation Water Shortages, IR4:Dec 63:7:3714

THOMPSON, O. C.
Dsc, SA3:Jun 63:90:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

THOMPSON, THOMAS F.
Dsc of "Influence of Geological Conditions on Uplift," TR:128I:786:3443

THORNTON-SMITH, G. J.
All-Versine Highway Spiral Formulas, SU1: Nov 62:41:3326
Dsc: Carl F. Meyer, SU1:Feb 63:127:3441; T.F. Hickerson, SU2:Jun 63:93:3563

THURMAN, ALLEN G.
Model Studies of a Concrete Hyperbolic Paraboloid, withGeorge J. Herman, ST6:Dec 62:161: 3353
Dsc: T.J. McClellan, ST3:Jun 63:207:3560; A.A. Eremin, ST3:Jun 63:208:3560
Clo: ST6:Dec 63:425:3743

THROOP, JOSEPH F.
Physical Metallurgy and Mechanical Properties of Materials (Symposium): Foreword, TR:128I: 1320:3488

THURLIMANN, BRUNO
See Konrad Basler, TR:128II:655:3489

TICHY, MILIK
Safety of Eccentrically Loaded Reinforced Concrete Columns, with Milos Vorlíček, ST5:Oct 62:1:3292
Dsc: Richard J. Newson, ST2:Apr 63:239: 3502; Jack R. Benjamin, ST2:Apr 63:240:3502; Horea Sandi, ST2:Apr 63:241:3502; Haresh C. Shah, ST2:Apr 63:244:3502; Marcel Tannenbaum, ST2:Apr 63:245:3502; C.B. Brown and L.H. Gabriel, ST2:Apr 63:248:3502; Bruno Barbarito, ST3:Jun 63:183:3560; Janusz Murzewski, ST3: Jun 63:187:3560; C. Berwanger, ST3:Jun 63:188: 3560; H. Blaut and H. Hilsdorf, ST5:Oct 63:265: 3688
Clo: ST6:Dec 63:417:3743

TILP, PAUL J.
Dsc, with M.W. Scrivner, HY6:Nov 63:270: 3708, of "Friction Factors in Open Channels", HY2:Mar 63:97:3464
See M.W. Scrivner, IR4:Dec 63:65:3746

TIMBY, ELMER K.
Impact of the Computer on the Young Engineer, PP1:Jan 63:31:3398

TINNEY, E. ROY
Dsc, PO1:Sept 63:151:3652, of "Sudden Enlargements in Pipelines", PO4:Dec 62:15:3340
Terminal Shape of a Shallow Liquid Front, with D.L. Bassett, TR:128I:609:3433

TODD, DAVID K.
Seepage Through Layered Anisotropic Porous Media, with Jacob Bear, TR:128I:256:3413

TOLLES, FRANK
Former ASCE Director dies, CE:Jan 63:80

TOMMERUP, CARL C. H.
Structural Design Practices for Tainter Crest Gates, PO4:Dec 62:47:3348
Dsc: Paul R. Mayer, PO1:Sept 63:153:3652; Edward J. Groscurth, PO1:Sept 63:157:3652; G.R. Latham, PO1:Sept 63:159:3652

TONG, ANNABEL L.
Elasto-Plastic Analysis by Numerical Procedures, TR:128I:198:3408

TOPRAC, A. A.
Dsc of "Economy of High Strength Steel Structural Members," TR:128II:843:3509

TRELEASE, FRANK J.
Mechanics of a Mathematical Ground-Water Model, with Morton W. Bittinger, IR1:Mar 63: 51:3461

TROLLOPE, D. H.
Dsc, with A.K. Parkin, SM6:Nov 63:129:3701, of "Stress-Dilatancy Earth Pressures, and Slopes", SM3:May 63:37:3507

TROLLOPE, D. HUGH
Disc, with Alan K. Parkin, of "Pore Pressures in a Foundation Clay," TR:128I:893:3448

TSANG, HSIEN-SAN
Analysis of Rigid Frames by Difference Equations, ST2:Apr 63:127:3499
Dsc: Donald L. Dean and Celina P. Ugarte, ST5:Oct 63:351:3688

TSO, WAI KEUNG
See George W. Housner, EM5:Oct 62:41:3296

TURITZIN, ALEXANDER M.
Dynamic Pressure of Granular Material in Deep Bins, ST2:Apr 63:49:3479
Dsc: Ryszard Dabrowski, ST5:Oct 63:337:3688; Eugene Guillard, ST5:Oct 63;338:3688; Neil W. Lane, ST5:Oct 63:339:3688; M.L. Sharp, ST5: Oct 63:341:3688; Jesus R. Tamargo, ST5:Oct 63: 342:3688; Eugene A. Zwenig, ST5:Oct 63:345: 3688; G.L. Blanchard, ST6:Dec 63:451:3743

TURNBULL, W. J.
See John L. McRae, SM6:Nov 63:101:3701

TURNER, EDWARD A.
Uplift Resistance of Transmission Tower Footings, PO2:July 62:17:3187
Dsc: Herbert O. Ireland, PO1:Sept 63:115:3652

TURNER, KENNETH M.
Dsc of "Evaporation at High Elevations in California," TR:128III:466:3513

TURNER, N. P., JR.
Negotiating for Engineering Services--the Consulting Engineer's Viewpoint, CE:Mar 63:52

TUTTLE, JACK K.
See Joseph A. Fischer, SM4:Jul 63:207:3578

TUTTLE, JAMES M.
Surveys for the Lake Pontchartrain Bridge, TR:128IV:42:3409

UGARTE, CELINA P.
See Donald L. Dean, ST5:Oct 63:351:3688

UNNY, T. E.
Dsc, HY1:Jan 63:251:3405, of "General Solution of the Hydraulic Jump in Sloping Channels", HY4:Jul 62:61:3190
Dsc, with V.V. Jayaraman, HY4:Jul 63:259:3580, of "Stability Aspects of Flow in Open Channels", HY6:Nov 62:145:3331

VAN BERLEKOM, H. A. BERDENIS
Dsc, HY2:Mar 63:183:3468, of "Depth-Discharge Relations in Alluvial Channels", HY5:Sept 62:57:3263

VANONI, VITO A.
Disc, with John F. Kennedy of "Forms of Bed Roughness in Alluvial Channels," TR:128I:311:3414
Sediment Transportation Mechanics: Erosion of Sediment, Progress Report by the Task Committee on Preparation of Sedimentation Manual of the Committee on Sedimentation of the Hydraulics Division, HY4:Jul 62:109:3195
Dsc: Saburo Komura, HY1:Jan 63:269:3405; C.R. Neill, HY1:Jan 63:276:3405; H.N.C. Breusers, HY1:Jan 63:277:3405; T. Blench, HY2:Mar 63:175:3468
Clo: HY6:Nov 63:235:3708
Adden: Alvin G. Anderson, HY6:Nov 63:237:3708
Sediment Transportation Mechanics: Introduction and Properties of Sediment: Progress Report by the Task Committee on Preparation of Sedimentation of the Hydraulics Division, HY4:Jul 62:77:3194
Dsc: Charles D.D. Howard, HY6:Nov 62: 235:3338; Saburo Komura, HY1:Jan 63:263:3405, Bruce R. Colby, HY1:Jan 63:266:3405, John F. Kennedy and Robert C.Y. Koh, HY2:Mar 63:171:3468
Clo: HY6:Nov 63:233:3708

VAN SCHILFGAARDE, JAN
Design of Tile Drainage for Falling Water Tables, IR2:Jun 63:1:3543
Dsc: Lee D. Dumm, IR4: Dec 63:53:3746, H.Y. Hammad, IR4:Dec 63:56:3746, G.O. Schwab, IR4:Dec 63:59:3746, Mahdi S. Hantush, IR4:Dec 63:60:3746

Van SICKLE, DONALD
Dsc of "Drag Forces in Velocity Gradient Flow," TR:128I:61:3394

VAN TIENHOVEN, JAN C. (Chmn)
Translations of Foreign Literature on Hydraulics, Fifth Progress Report of the Task Force on List of Translations of the Committee on Hydromechanics of the Hydraulics Division, ASCE, HY1:Jan 63:59:3391
Dsc: Steponas Kolupaila, HY4:Jul 63:275:3580

VAN VLACK, LAWRENCE H.
Symposium on Teaching of Materials: Structures and the Teaching of Materials, EM4:Aug 62:89:3248
Dsc: Desi D. Vasarhelyi, EM1:Feb 63:103:3440

VAN ZANDT, FRANKLIN E.
Cadastral Surveying in Alaska, SU2:Jun 63:55:3553

VARADARAJULU, G. H.
See M. Anandakrishnan, SM5:Sept 63:1:3631

VASARHELYI, DESI D.
Dsc, EM1:Feb 63:97:3440, of "Symposium on Teaching of Materials: Aspects of Material Behavior Significant to Engineers", EM4:Aug 62:75:3246
Dsc, EM1:Feb 63:99:3440, of "Symposium on Teaching of Materials: New Type of Course on Engineering Materials", EM4:Aug 62:83:3247
Dsc, EM1:Feb 63:103:3440, of "Symposium on Teaching of Materials: Structures and the Teaching of Materials", EM4:Aug 62:89:3248

VELDON, C. A.
See A.H. Palmer, PO1:Sept 63:67:3649

VELTROP, J. A.
See W.A. Waldorf, SM4:Jul 63:91:3576

VENEGAS, LEON E.
Dsc, CE:Sep 63:64, re comments in "Byline Washington" on Inter-American Highway in Costa Rica, CE:Apr 63:76

VENNARD, JOHN K.
Dsc, HY3:May 63:403:3529, of "Brink Depth for a Circular Channel", HY6:Nov 62:125:3327

VERES, SANDOR A.
Aerial Traverse and Maximum Bridging Distance, SU3:Oct 63:157:3679

VESIC, ALEKSANDER B.
Model Studies of Beams Resting on a Silt Subgrade, with Wesley H. Johnson, SM1:Feb 63:1:3406
Corr: SM4:Jul 63:237:3578
Dsc: Heinz Grasshoff, SM5:Sept 63:101:3654

VEY, E.
Dsc of "Shear Strength of Sands During Rapid Loadings," TR:128I:1586:3503

VIESSMAN, WARREN, JR.
Characteristics of the Inlet Hydrograph, with John C. Geyer, HY5:Sept 62:245:3285
Dsc: M.B. McPherson, M. Joseph Willis and J.V. Radziul, HY2:Mar 63:195:3468
Clo: HY4:Jul 63:229:3580

VILLEPIQUE, A. G.
South America's First EHV Transmission Line, PO2:July 62:57:3192
Dsc: John Umstead, PO4:Dec 62:207:3374
Clo: PO1:Sept 63:123:3652

VINCENT, GEORGE S.
Dsc, ST1:Feb 63:257:3435, of "Buffetting of a Suspension Bridge by Storm Winds", ST3:Jun 62:233:3181

VITOLS, VILIS
Analysis of Composite Beam Bridges by Orthotropic Plate-Theory, with Rodney J. Clifton and Tung Au, ST4:Aug 63:71:3584

VOLD, ROLF C.
Dsc, SM3:May 63:170:3528, of "Analysis of the Engineering News Pile Formula" SM5:Oct 62:1:3298

VOLTERRA, ENRICO
Method of Internal Constraints and its Application, TR:128I:509:3429

VON GUNTEN, GLENN H.
John Day Lock and Dam: Planning and Site Selection, with John F. Bruce, PO2:July 62:35:3191
Dsc: Roy F. Bessey, PO4:Dec 62:199:3374; W. Hiatt and R.E. MacDonald, PO4:Dec 62:203:3374
Clo: PO1:Sept 63:119:3652

VON KARMAN, THEODORE
ASCE Honorary member dies, CE:Jun 63:71
First recipient of National Medal of Science, CE:Feb 63:41; receives award, CE:Apr 63:66
Memoir of, TR:128V:112
Dsc: R. Schmidt, CE:Jun 63:68

VORLÍČEK, MILOŠ
See Miloš Tichý, ST5:Oct 62:1:3292

WADSWORTH, RALPH GILBERT
Memoir of, TR:128V:144

WAGNER, JOHN E.
Dsc of "Symposium on Grouting: Grouting of Granular Materials," TR:128I:1314:3486

WAGNER, WALTER K.
Dsc, CO2:Sept 63:131:3653, of "Statistical Evaluation of Concrete Tests", CO1:Mar 63:19:3453

WAH, THEIN
Dsc, EM3:Jun 63:225:3562, of "Large Deflections of Plates on Elastic Foundations", EM1:Feb 63:1:3416
Vibration of Circular Plates at Large Amplitudes, EM5:Oct 63:1:3663

WAHLS, HARVEY E.
Analysis of Primary and Secondary Consolidation, SM6:Dec 62:207:3373
Dsc, SM3:May 63:203:3528, of "Hyperbolic Stress-Strain Response: Cohesive Soils", SM1:Feb 63:115:3429
Dsc: T.K. Chaplin, SM3:May 63:193:3528; Hamilton Gray, SM3:May 63:194:3528; M.R. Madhav and A. Sridharan, SM4:Jul 63:233:3578; J. Brinch Hansen, SM6:Nov 63:95:3701

WALDEN, HANS
Dsc of "Deep Water Wave Generation by Moving Wind Systems," TR:128IV:136:3416

WALDORF, W. A.
Foundation Modulus Tests for Karadj Arch Dam, with J.A. Veltrop and J.J. Curtis, SM4:Jul 63:91:3576

WALKER, F. C.
See W.G. Holtz, SM6:Dec 62:107:3361

WALKER, PAUL K.
Named Director, Office of Engineering, Agency for International Development, CE:Dec 63:42

WALLACE, G. B.
See E.C. Higginson, CE:Nov 63:38

WALSTON, VIRGIL A.
Dsc, SU3:Oct 63:175:3684, of "Military Requirements for Topographic Maps", SU1:Nov 62:7:3315

WALTER, C. M.
See R.L. O'Connell, SA1:Jan 63:51:3394

WALTON, WILLIAM C.
Hydrogeologic Electric Analog Computer, with Thomas A. Prickett, HY6:Nov 63:67:3695

WANG, C. K.
Dsc of "Analysis of Multi-Span, Gable Frames," TR:128II:783:3494

WANG, CHU-KIA
General Computer Program for Limit Analysis, ST6:Dec 63:101:3719

WANG, P. C.
See Ira Hooper, CE:Dec 63:67

WANG, SHOU-LING
Flexural Calculation of Nonuniform Members, ST6:Dec 63:271:3735

WANZER, JAMES O.
Memoir of, TR:128V:144

WARD, J. C.
Annual Variation of Stream Water Temperature, SA6:Dec 63:1:3710

WARNER, D. B.
See R.L. Kuhlemeyer, HY4:Jul 63:233:3580

WARREN, R. P.
See A.D.K. Laird, EM1:Feb 63:25:3422

WARSKOW, MARTIN A.
Analysis of Master Plan for Chicago O'Hare Airport, with Howard C. Burns, AT2:Oct 63:1:3674

WASHBOURNE, LEE B.
See Herman E. Smith, CE:Oct 63:32

WASHINGTON, D. R.
Dsc, with L.J. Hetling and S. Sathyanarayana Rao, SA1:Jan 63:83:3402, of "Mathematics of Complete-Mixing Activated Sludge", SA3:May

WASHINGTON, D. R. Continued
62:87:3133
Disc, with L.J. Hetling and S. Sathanarayana Rao, of "Mathematics of Complete-Mixing Activated Sludge," TR:128III:526:3516

WASLEY, RICHARD J.
Uniform Flow in a Shallow, Triangular Open Channel, TR:128I:633:3437

WATTLES, W. C.
Surveyors' Footsteps, SU3:Oct 63:1:3659

WATTLEWORTH, JOSEPH A.
Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, with Paul W. Shuldiner, EM6:Dec 63:97:3729

WATTS, GEORGE M.
Dsc, HY3:May 63:347:3529, of "Volume-Weight of Reservoir Sediment", HY5:Sept 62:181:3274
Mechanical Bypassing of Littoral Drift at Inlets, TR:128IV:178:3455

WEAVER, LEO
Dsc, CE:Sep 63:65, on "Byline Washington," CE:Jul 63:72

WEAVER, PAUL
Dsc, SU3:Oct 63:218:3684, "Land Subsidence Problems", SU2:Jun 63:1:3531

WEAVER, WILLIAM, JR.
Dynamics of a Large Steerable Radio Telescope Antenna, with Thomas R. Kane, ST4:Aug 63:55:3583

WEBB, ROGER
See William H. Rowan, CE:May 63:40

WEBER, EUGENE W.
Dsc, with George Mondrillo and Walter G. Sutton, HY3:May 63:323:3529, of "Guide for the Development of Flood Plain Regulations: Progress Report of the Task Force on Flood Plain Regulations of the Committee on Flood Control of the Hydraulics Division", HY5:Sept 62:73:3264

WEBER, WALTER J.
Kinetics of Adsorption on Carbon from Solution, with J. Carrell Morris, SA2:Apr 63:31:3483
Clo: SA6:Dec 63:53:3745

WEEDEN, HARMER A.
Dsc, SU3:Oct 63:186:3684, of "Role of Surveying in Civil Engineering Education", SU1:Feb 63:27:3420

WEHNER, BRUNO K.
Dsc, HW1:Apr 63:131:3504, of "Simplified Design of a Highway Transition Spiral", HW2:Sept 62:1:3277

WEIDNER, C. KEN
Dsc of "Atomic Power, A Failure in Engineering Responsibility," TR:128V:58:3497
The Rise and Fall of Professional Engineering, CE:Jan 63:49
Dsc: J.M. Abernathey, CE:Mar 63:70

WEIGHT, WILLIAM K.
See Ray L. Derby, TR:128V:100:3506

WEISS, LEONARD L.
Securing More Nearly True Precipitation Measurements, HY2:Mar 63:11:3446

WELDON, L. W.
See J.E. Stephens, IR2:Jun 63:31:3550

WELLER, HARVILL E.
Dsc, WW1:Feb 63:71:3442, of "Stabilization of Canadian River at Canadian, Texas", WW3:Aug 62:13:3214

WELLS, JOHN H.
Dsc, ST5:Oct 63:299:3688, of "Space Frame Analysis by Matrices and Computer", ST6: Dec 62:245:3365

WEMPNER, G.
Buckling of Circular Arches Under Nonuniform Pressure, with T. Ewbank, EM4:Aug 63:17:3597
Dsc: Robert Schmidt, EM6:Dec 63:275:3774

WEN, ROBERT K.
Dynamic Behavior of Cantilever Bridges, with T. Toridis, EM4:Aug 62:27:3229
Dsc: Rudolf K. Bernhard, EM6:Dec 62:157: 3375; Frederick L. Ryder, EM1:Feb 63:95:3440; A.A. Eremin, EM1:Feb 63:95:3440
Clo: EM4:Aug 63:71:3616

WESTALL, WILLIAM G.
See Gordon K. Ray, TR:128IV:35:3400

WESTMANN, R. A.
Layered Systems Subjected to Surface Shears, EM6:Dec 63:177:3725

WEYMOUTH, LEWIS ALBERT
Memoir of, TR:128V:145

WHEELER, WALTER H.
Dsc, CE:Dec 63:68, on "High-Rise Concrete Buildings," CE:Aug 63:57

WHETSTONE, G. W.
Dsc, with P.G. Drake and C.R. Collier, SA3: Jun 63:95:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

WHIPPLE, WILLIAM, JR.
Evaluation of Federal Hydroelectric Power Projects, PO1:May 62:153:3148
Dsc: Michael Spero, PO4:Dec 62:189:3374; Hibbert Hill, PO4:Dec 62:190:3374
Clo: PO1:Sept 63:105:3652
New York World's Fair 1964-1965--Building Trends, CE:May 63:36
Dsc: L. Zetlin, CE:Aug 63:63

WHISLER, B. A.
Dsc, CO2:Sept 63:143:3653, of "Analysis of Construction Education Survey: Progress Report of the Committee on Construction Education and

WHISLER, B. A. Continued
Management of the Construction Division", CO1:Mar 63:73:3456

WHITE, ARDIS
Field Study of a Cellular Bulkhead with James A. Cheney, and C. Martin Duke, TR:128I:463: 3426

WHITE, RICHARD N.
Optimum Solution Techniques for Finite-Difference Equations, ST4:Aug 63:115:3587
Stability of Plates Under Partial Edge Loadings, with Willard S. Cottingham, EM5:Oct 62: 67:3297
Corr: EM3:Jun 63:195:3562

WHITE, ROBERT E.
Dsc, PO1:Sept 63:179:3652, of "Kariba Left Bank Cofferdam", PO1:Mar 63:33:3454
New York--Pretest Tiebacks and Drilled-In Caissons for Retaining Wall in Syracuse, CE:Apr 63:36
Dsc: O.C. Mann, praising article, CE:Jun 63:69

WHITE, ROBERT L.
See Clarence A. Magnusen, HY4:Jul 63:253: 3580

WHITMAN, EZRA
ASCE past president, dies, CE:Mar 63:43

WHITMAN, EZRA BAILEY
Memoir of, TR:128V:109

WHITMAN, ROBERT V.
Basic Experiment into Soil-Structure Interaction, with Ulrich Luscher, SM6:Dec 62:135:3366
Dsc: Wayne W. Smith, SM4:Jul 63:223:3578; Bengt B. Broms, SM4:Jul 63:223:3578; P.S. Bulson, SM5:Sept 63:95:3654
Dsc, with Frederick V. Lawrence, Jr., SM5: Sept 63:112:3654, of "Elastic Wave Velocities in Granular Soils", SM1:Feb 63:33:3407
Shear Strength of Sands During Rapid Loading, with Kent A. Healy, SM2:Apr 62:99:3102
Dsc: E. Vay, SM5:Oct 62:51:3306
Clo: SM3:May 63:139:3528
Shear Strength of Sands During Rapid Loadings, with Kent A. Healy, TR:128I:1553:3503

WHITTON, REX M.
Dsc, CE:Feb 63:57, on "The Great Brinkley 'Expose,' " CE:Dec 62:31

WIEGEL, R. L.
Diffraction of Waves by Semi-Infinite Breakwater, TR:128I:1181:3477

WIEGEL, ROBERT
Diffraction of Waves by Semi-Infinite Breakwater, HY1:Jan 62:27:3039
Dsc: F.L. Blue, Jr., HY5:Sept 62:297:3290
Clo: HY1:Jan 63:185:3405

WIEGEL, ROBERT L.
Hovering Breakwater, with H.W. Shen and J.D. Cummings, WW2:May 62:23:3115
Dsc: J.F. Ripken, WW4:Nov 62:137:3335
Clo: WW2:May 63:79:3527

WIENSKI, VINCENT A.
Dsc, CE:Feb 63:57, of "A Blueprint for the Profession," CE:Dec 62:52

WIESINGER, F. P.
Analysis of Arch Frames, with S.L. Lee and D.L. Guell, ST5:Oct 63:15:3660
Moment Coefficients for Frame Analysis, with S.L. Lee and J.F. Fleming, ST6:Dec 63:1:3712

WILD, PHILIP A.
Towers and Foundations for Project EHV, with Emerson F. Haslam, Jr., PO2:July 62:69:3193
Dsc: Joseph R. Arena, PO4:Dec 62:209:3374; Lymon C. Reese and Wayne B. Ingram, PO1: Sept 63:125:3652

WILDE, KENNETH K.
Helicopter Performance and Heliport Design, AT1:Aug 62:1:3213
Dsc: Robert Horonjeff, AT1:Apr 63:89:3505

WILDER, CARL R.
See William C. Bryant, SM4:Jul 63:219:3578

WILEY, R. B.
Honorary Member of ASCE dies, CE:Jul 63:65

WILKES, EDMUND, JR.
Memoir of, TR:128V:146

WILKINSON, W. G.
Dsc of "Manifold Stilling Basin," TR:128I: 457:3421

WILLARDSON, LYMAN S.
Separation of Evapotranspiration and Deep Percolation, with Wendell L. Pope, IR3:Sept 63: 77:3638

WILLENBROCK, J. H.
See John B. Herbich, WW2:May 63:55:3526

WILLIAMS, CYRIL, JR.
Memoir of TR:128V:147

WILLIAMS, GORDON R.
Cyclical Variations in World-Wide Hydrologic Data, HY6:Nov 61:71:2982
Dsc: Hurd C. Willett, HY3:May 62:231:3144; Charles G. Abbot, HY3:May 62:235:3144; Steponas Kolupaila, HY3:May 62:237:3144; J.M. Mitchell, Jr., HY3:May 62:243:3144; Roy K. Linsley, HY3:May 62:246:3144; Paul F. Keim, HY3: May 62:248:3144; N.J. Cochrane, HY3:May 62: 251:3144; Phillip Z. Kirpich, HY3:May 62:253: 3144; Robert B. Gallup, HY4:Jul 62:307:3209; Fred G. Fellows, HY4:Jul 62:308:3209; Richard S. Goodridge, HY2:Mar 63:149:3468
Clo: HY3:May 63:279:3529

WILLIAMS, HORACE E.
Dsc, with Peter A. Krenkel, SA2:Apr 63:109: 3501, of "Prediction of Stream Reaeration rates", SA4:Jul 62:1:3199

WILLIAMS, J. J.
See R.F. Rissone, TR:128I:1048:3461

WILLIAMS, WYATT E.
Dsc, SA3:Jun 63:94:3556, of "Billion-Dollar River Clean-Up", SA6:Nov 62:97:3333

WILLIS, M. JOSEPH
See M.B. McPherson, HY2:Mar 63:195:3468

WILLSEA, FREDERICK
Dsc, recommending trained management for fallout shelters, CE:Oct 63:61

WILLSON, G. H.
Dsc, CE:Feb 63:57, on "The Great Brinkley 'Expose,' " CE:Dec 62:31

WILROY, R. D.
Disc, with R.S. Ingols of "Turbulent Diffusion and the Reaeration Coefficient," TR:128III:323:3491

WILSON, BASIL W.
Deep Water Wave Generation by Moving Wind Systems, TR:128IV:104:3416
Dsc of "Berthing and Mooring Forces," TR:128IV:391:3504
Dsc, WW3:Aug 63:65:3621, of "Evaluation of Mooring Forces", WW4:Nov 62:19:3313
Dsc of "Hurricane Studies of New York Harbor," TR:128IV:422:3505
Dsc, with Robert O. Reid, WW1:Feb 63:61:3442, of "Wave Force Coefficients for Offshore Pipelines", WW2:May 62:125:3141
See R.O. Reid, HY3:May 63:21:3512

WILSON, EDWARD L.
See Ray W. Clough, ST4:Aug 63:179:3592

WILSON, STANLEY D.
Ground Displacements from Air-Blast Loading, with Earl A. Sibley, SM6:Dec 62:1:3346
Dsc: Joseph A. Fischer and Jack K. Tuttle, SM4:Jul 63:207:3578; O. Clarke Mann, SM4:Jul 63:209:3578

WILSON, WALTER T.
Dsc of "Estimating the Probable Maximum Precipitation," TR:128I:552:3431

WINKLER, RICHARD S.
Dsc of "Marine Oil Terminal for Rio de Janeiro, Brazil," TR:128IV:83:3410

WINTER, GEORGE
See Alexander Chajes, ST2:Apr 63:1:3477

WISELY, WILLIAM H.
The Great Brinkley "Expose," Dec 62:31
Dsc: Rex M. Whitton, J.W. Arch. Bollong, Walter S. Lacher, G.H. Willson, CE:Feb 63:57
An Indoctrination Ritual for Engineers, CE:Aug 63:33
Dsc: H.L. Johnson, E.F. Bespalow, E.V. Hunt, T.C. Kenney, L.W. Crump, R.D. Henderson, CE:Oct 63:60
International Relationships in Engineering, CE:Jun 63:31
Dsc: C.H.D. Harper, Sep 63:63; Ramiro Parada, Oct 63:60; R.E. Coughlin, Nov 63:73
Professional Identification in ASCE, CE:Apr 63:31
Dsc: C.L. Bogert, CE:Jun 63:68; S.G. Petersen, Jul 63:62; P.H. Perkins, Nov 63:73 Reply, W.H. Wisely, Nov 63:73
The Public Image of the Civil Engineer, CE:Feb 63:31
Dsc: A.W. Daniels, CE:Apr 63:61
The United Engineering Center, CE:Dec 63:31
The Wearing of the Badge, CE:Oct 63:31
Dsc, Jack Sylvester, CE:Dec 63:68

WISMER, ROBERT D.
See Dean R. Freitag, SM2:Mar 63:141:3467

WISS, JOHN F.
Dsc of "Vibration Analysis for Structural Floor Systems," TR:128II:304:3438

WITTENBROCK, NORMAN C.
See Richard F. Foster, SA6:Dec 63:17:3733

WOLF, WILLIAM H.
Current Developments in Hydro-Electric Plant Design, PO3:Nov 61:55:2995
Dsc: Ivor L. Pinkerton, PO1:May 62:185:3149; F.L. Lawton, PO2:July 62:259:3208
Clo: PO1:Sept 63:85:3652

WOO, DAH-CHENG
Spatially Varied Flow from Controlled Rainfall, with Ernest F. Brater HY6:Nov 62:31:3312
Dsc: R.L. Kuhlemeyer and D.B. Warner, HY4:Jul 63:233:3580
Clo: HY6:Nov 63:249:3708

WOOD, DAVID L.
Optimized Tangent Towers for 345-KV Transmission, PO2:July 62:1:3184
Dsc: R.N. Bergstrom, PO1:Sept 63:107:3652

WOODRUFF, GLEN B.
Berthing and Mooring Forces, TR:128IV:376:3504
Berthing and Mooring Forces, WW1:Feb 62:71:3050
Dsc: P.W. Roberts and Virgil Blancato, WW3:Aug 62:189:3252; Shu-t'ien Li, WW3:Aug 62:190:3252; A.L.L. Baker, WW3:Aug 62:192:3252; B.F. Saurin, WW4:Nov 62:133:3335; Basil W. Wilson, WW4:Nov 62:133:3335
Clo: WW2:May 63:77:3527
Dsc of "Marine Oil Terminal for Rio de Janeiro, Brazil," TR:128IV:82:3410
Dsc, WW2:May 63:103:3527, of "Offshore Mooring Island for Supertankers", WW4:Nov 62:1:3311

WOODWARD, RICHARD J., JR.
See H. Bolton Seed, TR:128I:1443:3501

WOO, LIN
See Kurt Eisemann, ST6:Dec 62:245:3365

WORCESTER, ROBERT E.
Airline Baggage Handling Systems, AT2:Oct 63:21:3676

WRIGHT, D. T.
Dsc, ST3:Jun 63:198:3560, of "Specifications for Structural Joints Using ASTM-A325 Bolts: Progress Report of the Task Committee on Riveted and Bolted Joints of the Committee on Metals of the Structural Division", ST5:Oct 62: 11:3294
Limit Design of Reinforced Concrete Beams, with C. Berwanger, ST7:Jul 60:1:2541
Dsc: Phillip L. Gould, ST11:Nov 60:169:2667; Bibhuti Prasanna Sinha, ST2:Apr 63:201:3502; M.Z. Cohn, ST2:Apr 63:205:3502
Clo: ST6:Dec 63:409:3743

WRIGHT, PETER M.
Simplified Formulation of Stiffness Matrices, ST2:Apr 63:33:3478
Dsc: Semih S. Tezcan, ST6:Dec 63:445:3743

WRIGHT, T. E.
Galvanic Corrosion In Concrete Containing Calcium Chloride, with I.H. Jenks, ST5:Oct 63: 117:3669

WU, I-PAI
Design Hydrographs for Small Watersheds in Indiana, HY6:Nov 63:35:3694

WU, T. H.
Dsc, SM4:Jul 63:229:3578, of "Comparisons of One and Two-Specimen CFS Tests", SM6:Dec 62:169:3372
Friction and Cohesion of Saturated Clays, with A.G. Douglas and R.D. Goughnour, SM3:Jun 62:1:3158
Dsc: J.K. Mitchell, SM5:Oct 62:59:3306; B.V. Ranganatham, SM5:Oct 62:63:3306; Vojtech Mencl, SM1:Feb 63:259:3436; John H. Schmertmann, SM1:Feb 63:260:3436; R.G. Bea, SM1: Feb 63:268:3436
Clo: SM4:Jul 63:171:3578
Study of Failure Envelope of Soils, with A.K. Loh and L.E. Malvern, SM1:Feb 63:145:3430
Dsc: A.O. Peter Casbarian and Abdul K. Jamal, SM4:Jul 63:243:3578; K.Y. Lo, SM4:Jul 63:243:3578; R.M. Haythornthwaite, SM5:Sept 63:119:3654

WU, T. S.
See G.R. Monforton, ST6:Dec 63:13:3713

WYATT, THOMAS ALAN
Secondary Stresses in Parallel Wire Suspension Cables, TR:128II:97:3402

WYLIE, PAUL E.
Dsc, SU3:Oct 63:225:3684, of "Control Traverses and Their Adjustment", SU2:Jun 63:39: 3546

YALIN, M. SELIM
An Expression for Bed-Load Transportation, HY3:May 63:221:3525

YANG, CHENG Y.
Dynamic Response of Elastic-Viscous-Plastic Columns, with Robert J. Hansen and Kenneth F. Reinschmidt, EM3:Jun 63:43:3541

YITZHAKI, DAVID
Analysis of Folded Plates, with Max Reiss, ST5:Oct 62:107:3303
Dsc: George F. Booss, ST1:Feb 63:283:3435

YONEZAWA, HIROSHI
Moments and Free Vibrations in Curved Girder Bridges, EM1:Feb 62:1:3052
Dsc: H.H. Fickel, EM2:Apr 63:153:3498
Clo: EM2:Apr 63:156:3498

YOSHIMI, Y.
Compression of Partially Saturated Cohesive Soils, with J.O. Osterberg, SM4:Jul 63:1:3566
Grit Unbalance in Sewage Flow Division, with T.E. Stelson, SA2:Apr 63:61:3493

YU, I-T'AN
Dsc of "Effect of Local Loss of Support on Foundation Design," TR:128I:1175:3476

ZAHLER, CHARLES W.
Use of Critical Path Techniques, ST4:Aug 63:151:3589

ZAR, M.
Dsc, ST2:Apr 63:251:3502, of "Specifications for Structural Joints Using ASTM-A325 Bolts: Progress Report of the Task Committee on Riveted and Bolted Joints of the Committee on Metals of the Structural Division", ST5:Oct 62: 11:3294
See C.F. Beck, ST4:Aug 63:537:3614
See R.N. Bergstrom, PO3:Sept 62:41:3268

ZARBOULAS, VASSILIOS
See Kurt H. Gerstle, ST1:Feb 63:179:3419

ZASLAVSKY, ARON
Limit Design of Crossed Steel Beams, TR:128II:431:3456

ZERNIAL, G. A.
Sediment-Transporting Characteristics of Streams, with E.M. Laursen, HY1:Jan 63:117: 3396

ZETLIN, LEV
Dsc, on importance of naming the engineers, CE:Aug 63:63

ZIA, P.
See F.E. Richart, Jr., TR:128I:1149:3476

ZIENKIEWICZ, O. C.
Dsc of "Dead-Load Stress in Model Dams by Method of Integration," TR:128II:249:3427

ZISTLER, JOSEPH L.
Dsc of "Vibration Analysis for Structural Floor Systems," TR:128II:303:3438

ZOLKOV, E.
Dsc of "Prediction of Swelling Potential for Compacted Clays," TR:128I:1483:3501

ZSUTTY, THEODORE
Error Statistics for Reinforced Concrete Beams, ST6:Dec 63:235:3732

ZWENIG, EUGENE A.
Dsc, ST5:Oct 63:345:3688, of "Dynamic Pressure of Granular Material in Deep Bins", ST2: Apr 63:49:3479